

JVC



DVD/CD RECEIVER

KD-ADV6160/KD-DV5100

ENGLISH

RECEPTOR CON DVD/CD

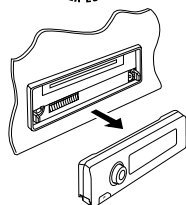
KD-ADV6160/KD-DV5100

ESPAÑOL

RECEPTEUR DVD/CD

KD-ADV6160/KD-DV5100

FRANÇAIS



**WMA
MP3**

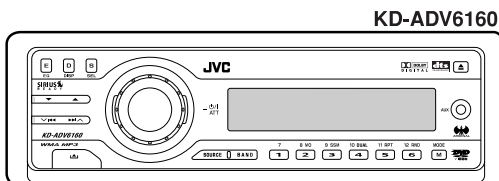
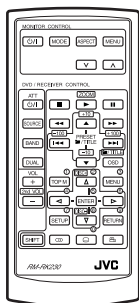
**SIRIUS
READY**

**DOLBY
DIGITAL**

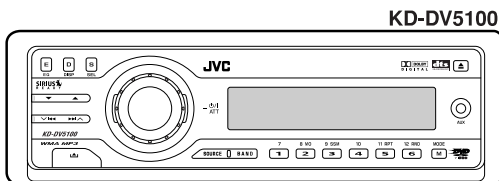
2.0 DIGITAL OUT

**DVD
VIDEO**

**COMPACT
disc
DIGITAL VIDEO**



KD-ADV6160



KD-DV5100

For canceling the display demonstration, see page 11.

Para cancelar la demostración en pantalla, consulte la página 11.

Pour annuler la démonstration des affichages, référez-vous à la page 11.

For installation and connections, refer to the separate manual.

Para la instalación y las conexiones, refiérase al manual separado.

Pour l'installation et les raccordements, se référer au manuel séparé.

For customer Use:

Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

INSTRUCTIONS

MANUAL DE INSTRUCCIONES
MANUEL D'INSTRUCTIONS

GET0277-001B

[J]

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

INFORMATION (For U.S.A.)

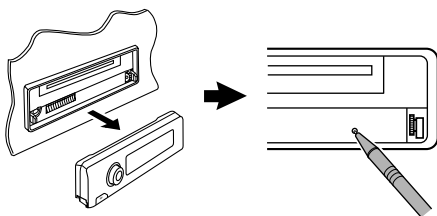
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT FOR LASER PRODUCTS

1. **CLASS 1 LASER PRODUCT**
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

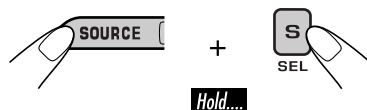
How to reset your unit



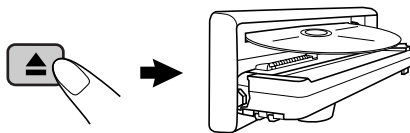
This will reset the microcomputer. Your preset adjustments will also be erased.

How to forcibly eject a disc

If a disc cannot be recognized by the receiver or cannot be ejected, ejects the disc as follows.



“PLEASE” and “EJECT” appear alternately on the display.



- If this does not work, reset your receiver.
- Be careful not to drop the disc when it ejects.

WARNINGS:

- **DO NOT** install any receiver in locations where;
 - it may obstruct the steering wheel and gearshift lever operations, as this may result in a traffic accident.
 - it may obstruct the operation of safety devices such as air bags, as this may result in a fatal accident.
 - it may obstruct visibility.
- **DO NOT** operate any receiver while manipulating the steering wheel, as this may result in a traffic accident.
- The driver must not watch the monitor while driving.
If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.
- The driver must not put on the headphones while driving. It is dangerous to shut off the outside sounds while driving.
- If you need to operate the receiver while driving, be sure to look ahead carefully or you may be involved in a traffic accident.
- If the parking brake is not engaged, **“DRIVER MUST NOT WATCH THE MONITOR WHILE DRIVING.”** appears on the monitor, and no playback picture will be shown.
 - This warning appears only when the parking brake wire is connected to the parking brake system built in the car (refer to the Installation/ Connection Manual).

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

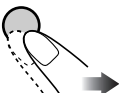
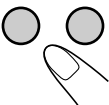
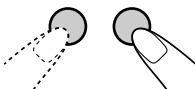
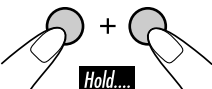
*Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

How to read this manual

The following methods are used to make the explanations simple and easy-to-understand:

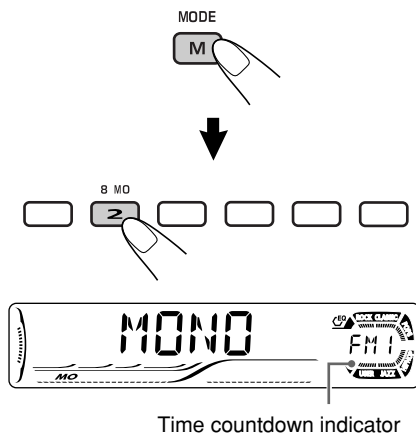
- Some related tips and notes are explained in “More about this receiver” (see pages 50 – 54).
- Button operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
	
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

How to use the M MODE button

If you press M MODE, the receiver goes into functions mode, then the number buttons and ▲/▼ buttons work as different function buttons.

Ex.: When number button 2 works as MO (monaural) button.



To use these buttons for original functions again after pressing M MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing M MODE again also clears the functions mode.

Contents

How to reset your unit	2	Other disc operations	29
How to forcibly eject a disc	2	Basic operations	29
How to read this manual	4	Changing the display information	30
How to use the M MODE button	4	Selecting the playback modes	31
Introduction — Playable discs	6	Dual Zone operations	32
Control panel	7	Listening with headphones	32
Parts identification	7	Sound adjustments	33
Remote controller — RM-RK230	8	Selecting preset sound modes	33
Main elements and features	8	Storing your own sound adjustments	33
Getting started	10	Adjusting the sound	34
Basic operations	10	General settings — PSM	35
Canceling the display demonstrations ...	11	Basic procedure	35
Setting the clock	11	Other main functions	38
Radio operations	12	Assigning titles to the sources	38
Listening to the radio	12	Detaching the control panel	39
Storing stations in memory	13	CD changer operations	40
Listening to a preset station	14	Playing discs in the CD changer ...	40
Disc operations	15	Changing the display information	42
Playing a disc in the receiver	15	Selecting the playback modes	43
Basic operations	17	External component operations	44
DVD/VCD special functions	19	Playing an external component ...	44
Selecting subtitles	19	SIRIUS® radio operations	45
Selecting audio languages	19	Listening to the SIRIUS® radio	46
Selecting multi-angle views	19	Storing channels in memory	47
Disc menu operations	20	Listening to a preset channel	47
Zoom in	20	Maintenance	48
On-Screen disc operations	21	Language codes	49
Basic on-screen bar operations	22	More about this receiver	50
Basic control screen operations	24	Troubleshooting	55
List screen operations	25	Specifications	59
DVD setup menu	26		
Basic setting procedure	26		

Introduction — Playable discs

Discs you can play

You can play back the following discs—12 cm (4-3/4") and 8 cm (3-3/16")—on this receiver:

- **DVD Video:** Recorded in NTSC color system with Region Code "1" (see below).
 - DVD-R/DVD-RW recorded in the DVD-Video format can also be played (see page 50).
- **Video CD (VCD)/audio CD**
- **MP3/WMA:** Recorded either in CD-R/CD-RW or DVD-R/DVD-RW/DVD-ROM.
 - CD-R/CD-RW: Compliant with ISO 9660 Level 1, ISO 9660 Level 2, Romeo, and Joliet.
 - DVD-R/DVD-RW/DVD-ROM: Compliant with UDF-Bridge Format*1.

On some discs, the actual operations may be different from what is explained in this manual.

Discs cannot be played back

DVD-Audio, DVD-ROM (data), DVD-RAM, DVD-R/DVD-RW recorded in the DVD-VR format, CD-ROM, CD-I (CD-I Ready), Photo CD, etc.

- Playing back these discs will generate noise and damage the speakers.

Note on Region Code:

DVD players and DVD Video discs have their own Region Code numbers. This receiver can only play back DVD discs whose Region Code numbers include "1."

Examples:



If you insert a DVD Video disc of an incorrect Region Code

"REGION CODE ERROR!" appears on the monitor.

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

Digital audio formats

The System can play back the following digital audio formats.

Linear PCM: Uncompressed digital audio, the same format used for CDs and most studio masters.

Dolby Digital *2: Compressed digital audio, developed by Dolby Laboratories, which enables multi-channel encode to create the realistic surround sound.

DTS *3 (Digital Theater Systems):

Compressed digital audio, developed by Digital Theater Systems, Inc., which enables multi-channel like Dolby Digital. As the compression ratio is lower than for Dolby Digital, it provides wider dynamic range and better separation.

MPEG Audio: Another compressed digital audio which also enables multi-channel encode to create the realistic surround sound. However, this System downmix the multi-channel signals into 2 channels (decoded PCM) and play it back.

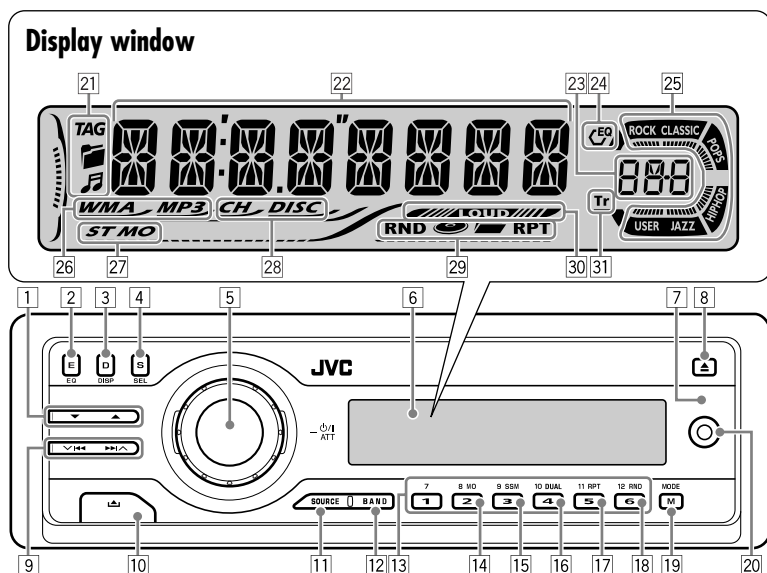
*1 A hybrid file system used to provide compatibility with ISO 9660 for accessing any type of files on the disc. (UDF stands for Universal Disk Format.)

*2 Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.

*3 "DTS" and "DTS 2.0 + Digital Out" are registered trademarks of Digital Theater Systems, Inc.

"DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation registered in the US, Japan and other countries.

Parts identification



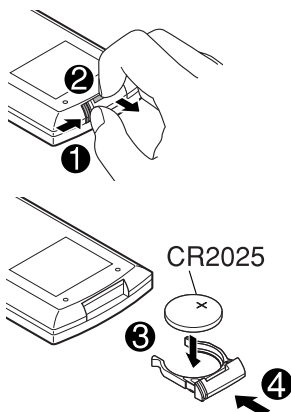
- 1 ▲ (up) / ▼ (down) buttons
 - Function as Play / Stop buttons for DVD and VCDs.
- 2 E EQ (equalizer) button
- 3 D DISP (display) button
- 4 S SEL (select) button
- 5
 - Control dial
 - ϕ /I ATT (standby/on attenuator) button
- 6 Display window
- 7 Remote sensor
- 8 ▲ (eject) button
- 9 ▼ $\ll$ $\lll$ $\ggg$ $\gg$ buttons
- 10 (control panel release) button
- 11 SOURCE button
- 12 BAND button
- 13 Number buttons
- 14 MO (monaural) button
- 15 SSM (Strong-station Sequential Memory) button
- 16 DUAL (dual zone) button*
 - * Only for KD-ADV6160.
- 17 RPT (repeat) button
- 18 RND (random) button
- 19 M MODE button
- 20 AUX (auxiliary) input jack

Display window

- 21 Disc information indicators—TAG (ID3 Tag), (folder), (track/file)
- 22 Main display
- 23 Source display / Volume level indicator
- 24 EQ (equalizer) indicator
- 25 Sound mode indicators—ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
 - also works as the time countdown indicator and level meter during play (see page 36).
- 26 Disc type indicators—WMA, MP3
- 27 Tuner reception indicators—ST (stereo), MO (monaural)
- 28 Playback source indicators—CH: Lights up for the CD changer. DISC: Lights up for the built-in DVD/CD player.
- 29 Playback mode / item indicators—RND (random), (disc), (folder), RPT (repeat)
- 30 LOUD (loudness) indicator
- 31 Tr (track) indicator

Remote controller — RM-RK230

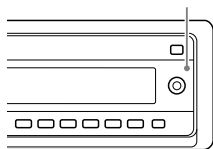
Installing the lithium coin battery (CR2025)



Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the receiver. Make sure there is no obstacle in between.

Remote sensor

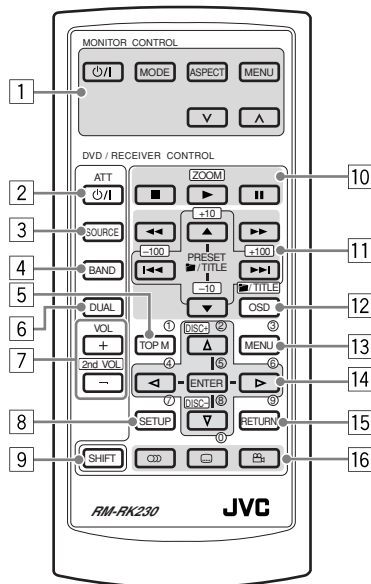


- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

Warning:

- Store the battery in a place where children cannot reach to avoid risk of accident.
- To prevent the battery from over-heating, cracking, or starting a fire:
 - Do not recharge, short, disassemble, or heat the battery or dispose of it in a fire.
 - Do not leave the battery with other metallic materials.
 - Do not poke the battery with tweezers or similar tools.
 - Wrap the battery with tape and insulate when throwing away or saving it.

Main elements and features



IMPORTANT:

For KD-ADV6160: If Dual Zone is activated (see page 32), the remote controller only functions for operating the DVD/CD player.

MONITOR CONTROL

- 1 Monitor control buttons*1
 - **⏻** (standby/on), MODE, ASPECT, MENU, **∇** and **▲**.

DVD/RECEIVER CONTROL

- 2 **⏻** ATT (standby/on attenuator) button
 - Turns on and off the power and also attenuates the sound.
- 3 SOURCE button
 - Selects the source.

- 4 BAND button
 - Selects the FM/AM/SIRIUS® bands.
- 5 TOP M (menu) button*2
 - Display the DVD and VCD*3 disc menu.
- 6 DUAL button*4
 - Activate and deactivate Dual Zone.
- 7 VOL + / - buttons
 - Adjusts the volume level.
 - Also function as 2nd VOL +/- buttons when pressed with SHIFT button*4.
- 8 SETUP button*2
- 9 SHIFT button
- 10 Basic disc operation buttons*5:
 - (stop), ► (play), || (pause)
 - ► (play) also function as ZOOM button when pressed with SHIFT button.
- 11 Advanced disc operation/tuner operation buttons*6

For advanced disc operations:

- / TITLE ▲ / ▼
 - Select the titles (for DVD) or folders (for MP3/WMA).
- ◀◀ / ▶▶ (reverse skip/forward skip)
- ◀◀ / ▶▶ (reverse search/forward search)*5

For FM/AM tuner operations:

- PRESET ▲ / ▼
 - Changes the preset stations.
- ◀◀ / ▶▶
 - Functions to search for stations.

For SIRIUS® radio operations:

- PRESET ▲ / ▼
 - Changes the categories.
- ◀◀ / ▶▶
 - Changes the channels if pressed briefly.
 - Changes the channels rapidly if pressed and held.

- 12 OSD button
 - Display the on-screen bar.
 - Also function as the / TITLE button when pressed with SHIFT button.
 - You can directly select titles (for DVD) or folders (for MP3/WMA) using the number buttons (see page 18).
- 13 MENU button*2
 - Display the DVD and VCD*3 disc menu.

- 14 Menu operation buttons*2
 - Cursor (△, ▽, ◀, ▶), and ENTER
 - △ / ▽ : Also function as DISC + / - buttons when the source is “CD-CH.”
- 15 RETURN button*2
- 16 Special function buttons
 - DVD/VCD: (audio)
 - DVD: (subtitle), (angle)

*1 Controllable only if your monitor is one of the JVC monitors — KV-MR9010 or KV-MH6510.

*2 These buttons function as the number buttons when pressed with SHIFT button.

*3 Only when PBC is not in use.

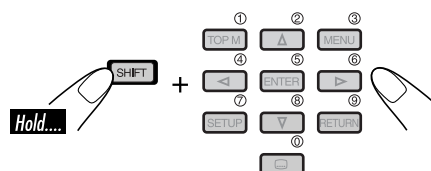
*4 Applicable only for KD-ADV6160.

*5 Not used for CD changer operations.

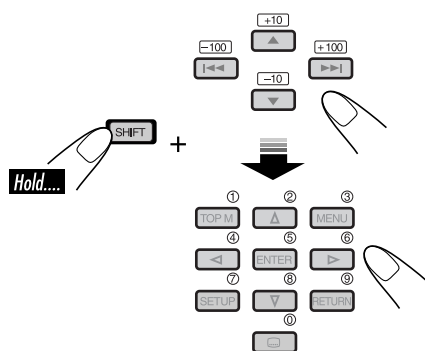
*6 These buttons function as the +10/-10 and +100/-100 buttons when pressed with SHIFT button.

How to select a number

To select a number from 0 – 9:



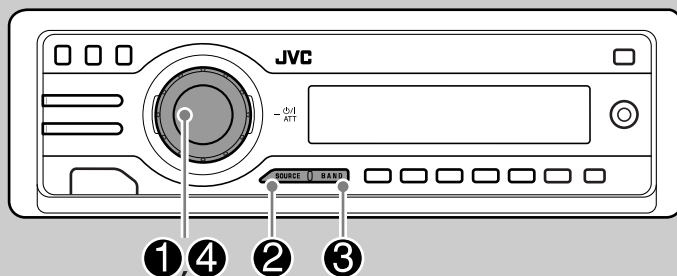
To select a number greater than 9:



- +100/-100 buttons used only for searching MP3/WMA tracks number greater than 99.

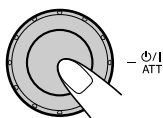
Getting started

Basic operations

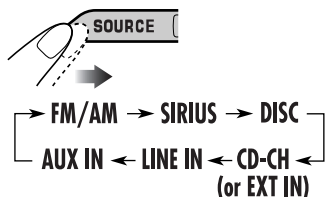


* The control panel illustrations used in this manual is of KD-ADV6160.

1



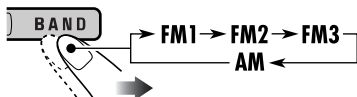
2



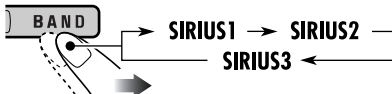
You cannot select some sources if they are not ready.

3

For FM/AM tuner only

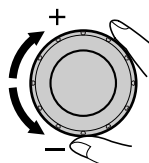


For SIRIUS® radio only

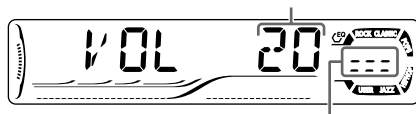


4

Adjust the volume.



Volume level appears.

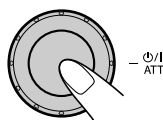


Volume level indicator

5

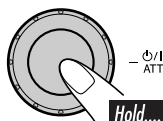
Adjust the sound as you want.
(See pages 33 and 34.)

To drop the volume in a moment (ATT)



To restore the sound, press it again.

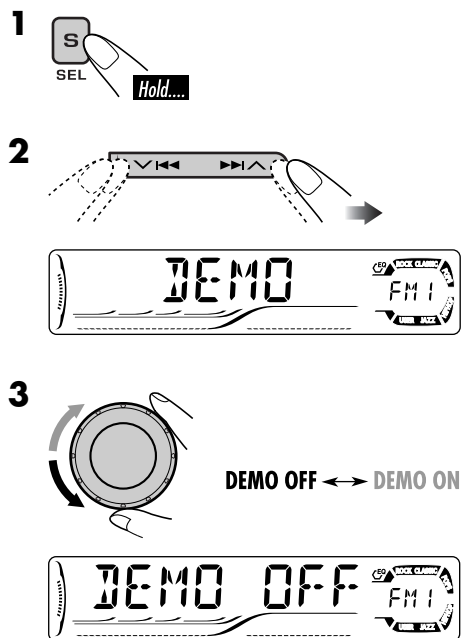
To turn off the power



Canceling the display demonstrations

If no operations are done for about 20 seconds, display demonstration starts.

[Initial: DEMO ON]—see page 35.

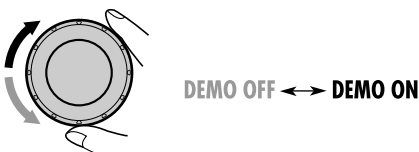


4 Finish the procedure.



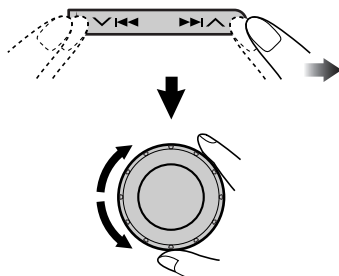
To activate the display demonstration

In step **3** above...



Setting the clock

- 1**
- 
- 2** Set the hour and minute.
- 1** Select “CLOCK H” (hour), then adjust the hour.
 - 2** Select “CLOCK M” (minute), then adjust the minute.



3 Finish the procedure.

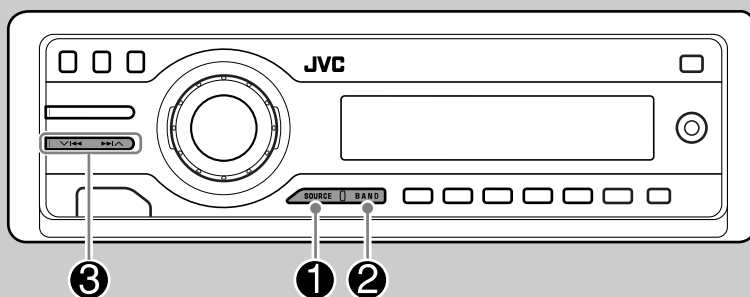


To check the current clock time when the power is turned off



Radio operations

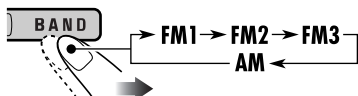
Listening to the radio



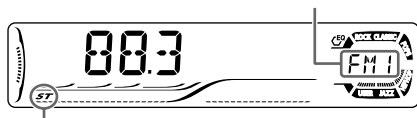
1



2



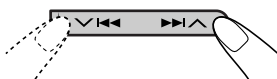
Selected band appears.



Lights up when receiving an FM stereo broadcast with sufficient signal strength.

3

Start searching for a station.



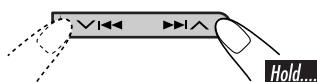
When a station is received, searching stops.

To stop searching, press the same button again.

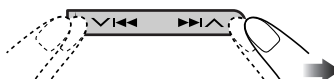
To tune in to a station manually

In step 3 on the left column...

1

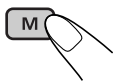


2 **Select the desired station frequencies.**

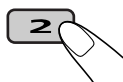


When an FM stereo broadcast is hard to receive

1 MODE



2 8 MO



Lights up when monaural mode is activated.

Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure. "MONO OFF" appears and the MO indicator goes off.

Storing stations in memory

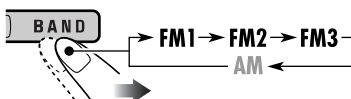
You can preset six stations for each band.

FM station automatic presetting—SSM (Strong-station Sequential Memory)

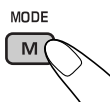
1



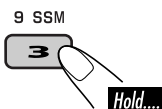
2 Select the FM band (FM1 – FM3) you want to store into.



3



4



"SSM" flashes, then disappears when automatic presetting is over.

Local FM stations with the strongest signals are searched and stored automatically in the FM band.

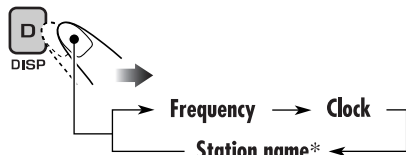
To be continued....

Manual presetting

Ex.: Storing FM station of 92.5 MHz into the preset number 1 of the FM1 band.

- 1
 - 2
 - 3
 - 4
- Preset number flashes for a while.

To check the current clock time while listening to an FM or AM station



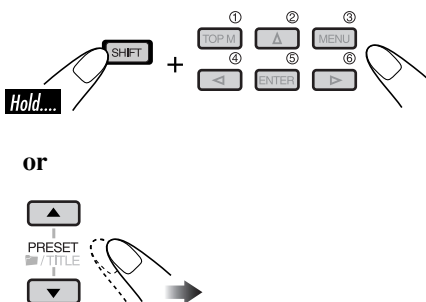
* If no title is assigned to a station, "NO NAME" appears. To assign a title to a station, see page 38.

Listening to a preset station

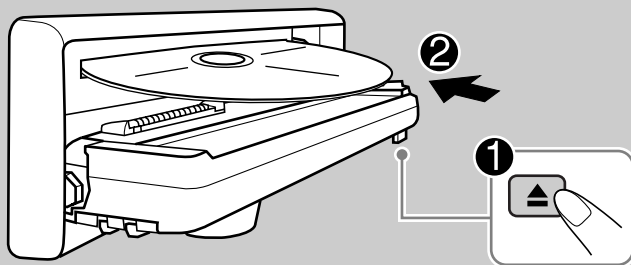
- 1
- 2
- 3 Select the preset station (1 – 6) you want.

or

When using the remote controller....



Playing a disc in the receiver



The disc type is automatically detected, and playback starts automatically (for DVD: automatic start depends on its internal program).

If the current disc is an audio CD, CD Text, MP3/WMA, or VCD without PBC, all tracks will be played repeatedly until you change the source or eject the disc.

- If a title list or disc menu appears while playing a DVD or VCD with PBC, see “Disc menu operations” on page 20.

Before performing any operations, make sure the following....

- Turn on the monitor for playing a DVD or VCD. If you turn on the monitor, you can also control the audio CD, CD Text, and MP3/WMA playback by referring to the monitor screen. (See pages 24 and 25.)
- For DVD playback, you can change the Setup Menu setting to your preference. (See pages 26 – 28.)
- The operations explained on pages 17 – 28 are using the remote controller.
- When you want to operate the DVD/CD player using the buttons on the control panel, see “Other disc operations” on pages 29 – 31.

The following marks are used to indicate the playable discs....



DVD Video



Video CD with PBC only



Video CD with/without PBC



Audio CD/
CD Text



MP3/WMA disc



All discs listed here

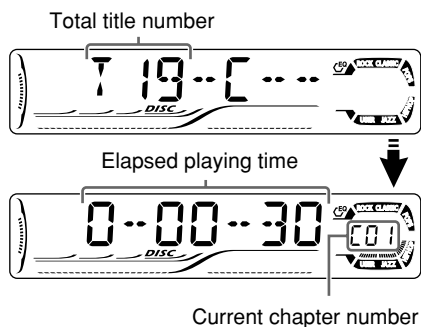
If “⊘” appears on the monitor when pressing a button, the receiver cannot accept an operation you have tried to do.

- In some cases, without showing “⊘,” operations will not be accepted.

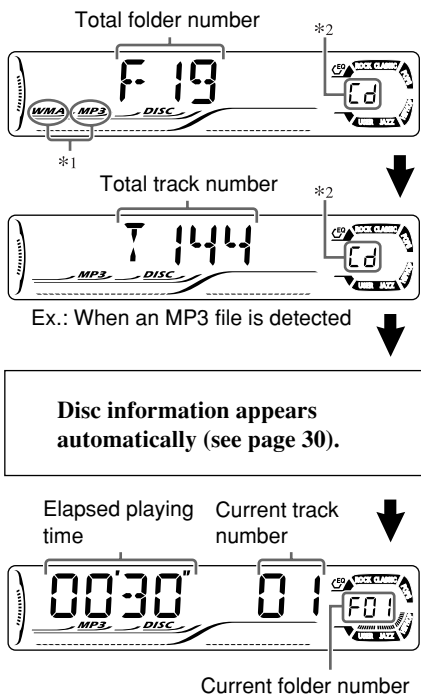
- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

To be continued....

• When inserting a DVD disc:



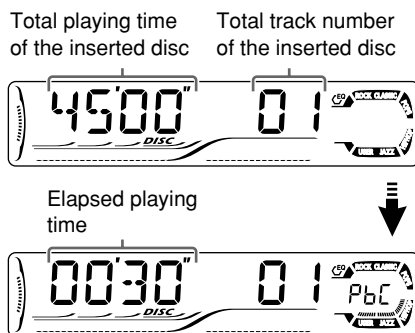
• When inserting an MP3/WMA disc:



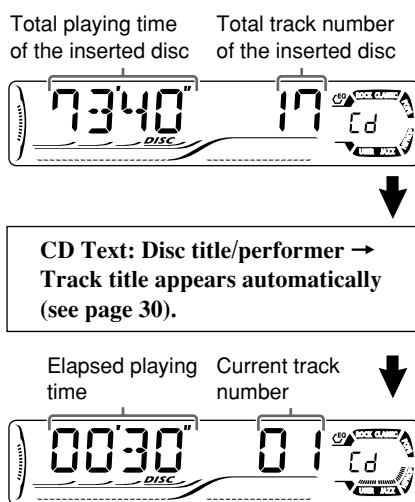
*1 Either the MP3 or WMA indicator lights up depending on the detected file.

*2 Does not light up for DVD-R/DVD-RW.

• When inserting a VCD:



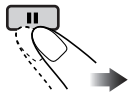
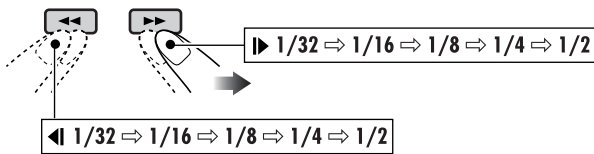
• When inserting a CD Text/audio CD:



To eject the disc



Basic operations

Operations	Display indication and/or next operation
To stop play temporarily 	"PAUSE" illuminates on the display.  A still picture appears.   Ⓐ Frame by frame playback  Ⓑ Slow motion playback  • No sound comes out during Slow Motion Playback. • When playing a VCD, Reverse Slow Motion Playback is prohibited. To resume normal play: 
To replay the previous scenes—One Touch Replay 	The playback position moves back about 10 seconds before the current position.  • This function works only within the same title. • For some DVDs, this function does not work.
To stop playback 	When you start playback again, playback starts from where it has been stopped (Resume play).    When you start playback again, playback starts from the beginning of the last track. 

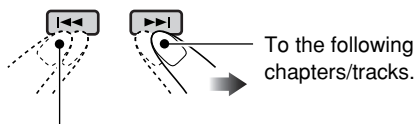
* During play, on-screen guide icons appear on the monitor for a while (see page 53).

To be continued...

To go to the next or previous chapters/tracks

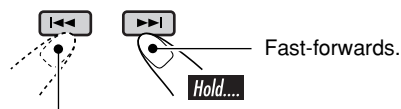


- For DVD: During play or pause



To go back to the beginning of the current chapter/track, then the previous chapters/tracks.

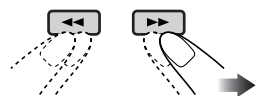
To fast-forward or reverse the chapter/track



Reverses.

* The search speed changes to x2 $\Rightarrow$ x10 for all discs (DVD, VCD, CD), but the information shown on the monitor is only for DVD/VCD.

To forward or reverse search the chapter/track



The information shown is only for DVD/VCD:

▶▶ x2 $\Rightarrow$ x5 $\Rightarrow$ x10 $\Rightarrow$ x20 $\Rightarrow$ x60

◀◀ x2 $\Rightarrow$ x5 $\Rightarrow$ x10 $\Rightarrow$ x20 $\Rightarrow$ x60

- To resume normal speed



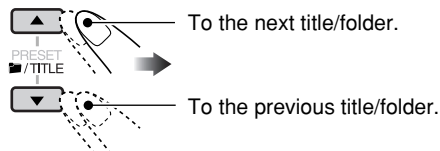
To locate a particular title/chapter/track directly



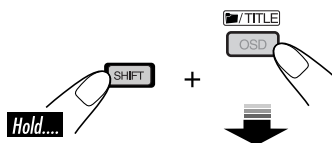
- For DVD: During play or pause—select a chapter.
During stop—select a title.
- For VCD: While PBC (see page 20) is not in use.
- For MP3/WMA: Select a track within the same folder.

Select the number corresponding to the item you want (see page 9).

To locate a title/folder



To locate a particular title/folder



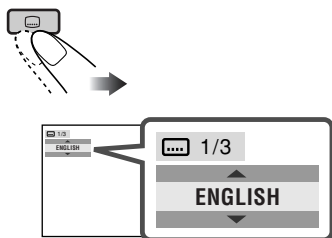
Within 10 seconds, press the number buttons (see page 9).

DVD/VCD special functions

Selecting subtitles

You can select the language of the subtitle to be shown on the monitor.

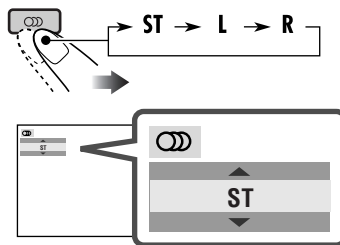
- You can set the initial subtitle language using the setup menu (see page 27).



Ex.: When the disc has 3 options

For VCD:

You can select the audio channel to play. (This is convenient when playing a Karaoke VCD.)



ST: To listen to normal stereo (left/right) playback.

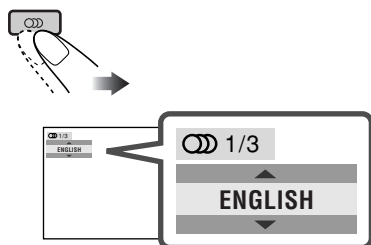
L: To listen to the L (left) audio channel.

R: To listen to the R (right) audio channel.

Selecting audio languages

For DVD:

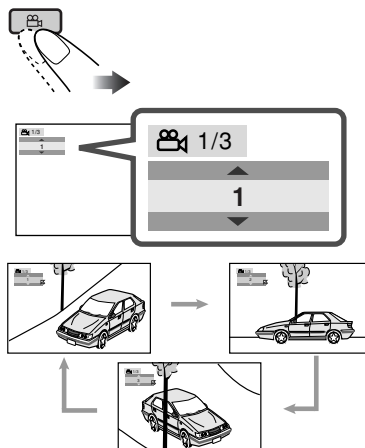
You can select the language to listen to if the disc has multiple audio languages.



Ex.: When the disc has 3 options

Selecting multi-angle views

You can view the same scene at different angles if the disc has multi-angle views.



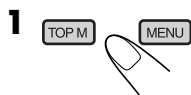
Ex.: When the disc has 3 multi-angle views

- For some DVDs and VCDs, changing the subtitle language, audio language (or audio channel) without using the disc menu is prohibited.

Disc menu operations

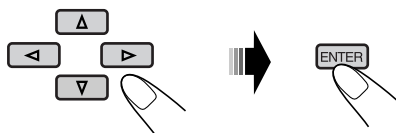
Menu-driven playback is possible while playing back a DVD with menu-driven features or a VCD with the PBC (PlayBack Control).

While playing a DVD



A title list or disc menu will appear on the monitor.

2 Select the item you want on the menu.



Selected item starts playback.

- On some discs, you can also select items using the corresponding number buttons.

While playing a VCD

- When a list of items is displayed on the monitor.

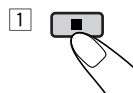


- To select a number greater than 9, see "How to select a number" on page 9.

To return to the previous menus

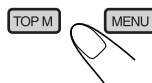


Canceling the PBC playback

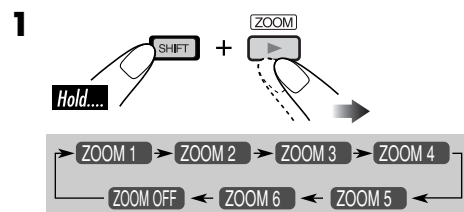


- 2 Select a track to start normal playback using the number buttons (see page 9).

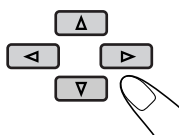
To resume the PBC function



Zoom in



2 Move the zoomed-in portion.



To cancel zoom, select "ZOOM OFF" in step 1.

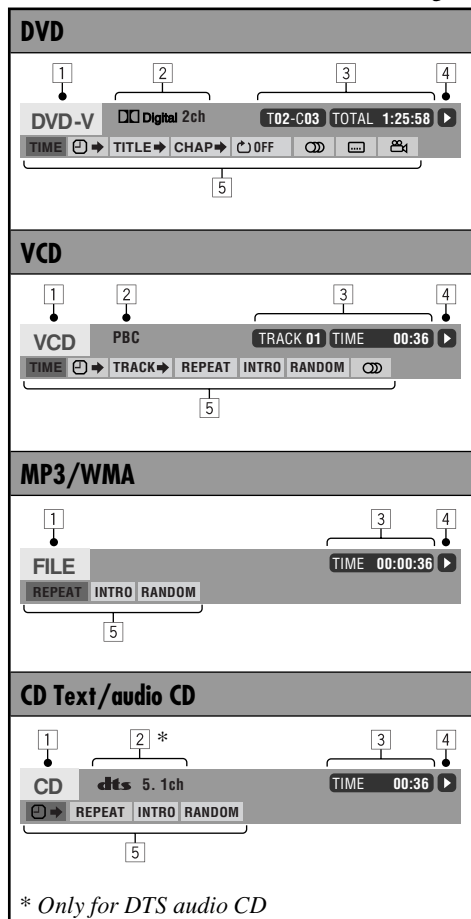
On-Screen disc operations

About the On-Screen Bar

You can check the disc information and use some functions through the on-screen bar.

- For audio CD, CD Text, and MP3/WMA disc you can also use the control screen and list screen (see pages 24 and 25).

On-Screen bars



- Disc type
 - Audio signal format type (for DVD and DTS audio CD)
 - PBC (only for VCD)
- Playback information
 - T02-C03** Current track/chapter
 - TRACK 01** Current track
 - TOTAL** Elapsed playing time of the disc
 - T. REM** Remaining disc time (for VCD)/remaining title time (for DVD-V)
 - TIME** Elapsed playing time of the current chapter/track
 - REM** Remaining time of the current chapter/track
- Playback condition
 - ▶ Playback
 - ▶/◀ Forward/reverse search
 - ▶/◀ Forward/reverse slow-motion
 - ⏸ Pause
 - Stop
- Operation icons
 - TIME** Time indication
 - ⏮➡ Time Search—Enter the elapsed playing time of the current title or of the disc.
 - TITLE➡** Title Search
 - CHAP➡** Chapter Search
 - TRACK➡** Track Search
 - ⏮ Change the audio language or audio channel.
 - ⏮ Change the subtitle language.
 - ⏮ Change the view angle.
 - ⏮ OFF Repeat play (for DVD)
 - REPEAT** Repeat play (for other discs)
 - INTRO** Intro play
 - RANDOM** Random play

To be continued....

Basic on-screen bar operations

1 Display the on-screen bar.

- For DVD/VCD:



- For other discs:



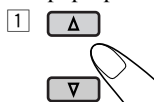
2 Select an item.



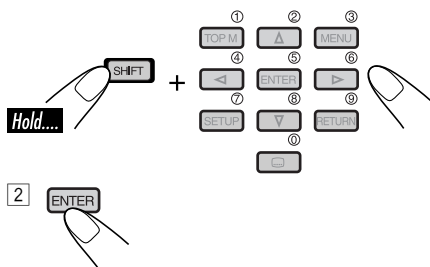
3 Make a selection.



- If pop-up menu appears....



or

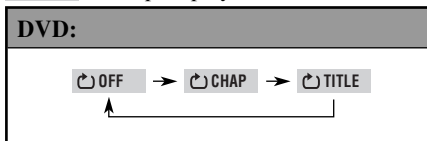


To erase the on-screen bar

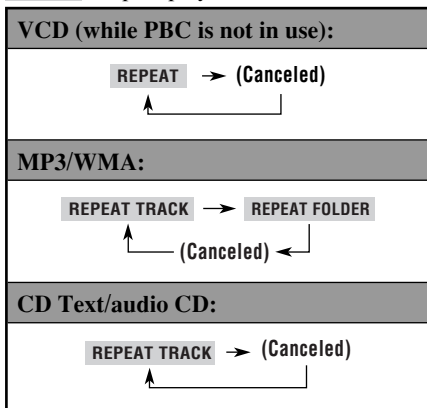


- The selectable options for Repeat/Intro/Random plays:

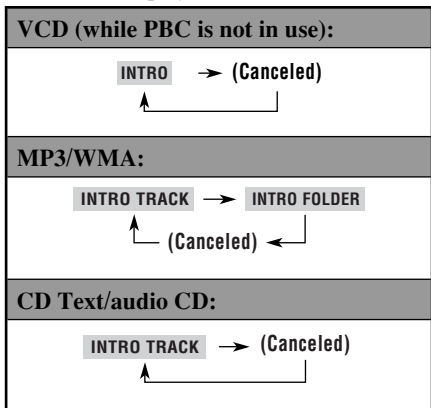
OFF Repeat play



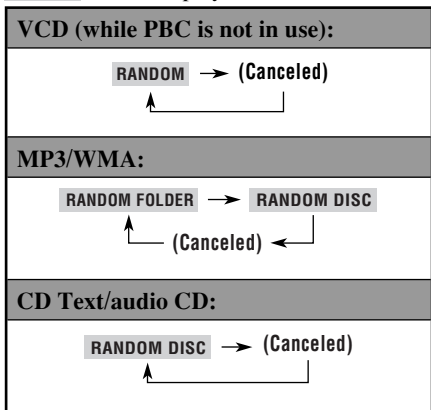
REPEAT Repeat play



INTRO Intro play



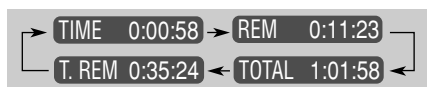
RANDOM Random play



Refer also page 22 for the following operations.

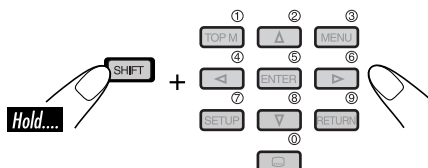
To change the time information

- 1 Select **TIME**.
- 2 Change the time information.



To search for a particular point by playing time

- 1 Select **TIME**.
- 2 Enter the elapsed playing time of the current title or of the disc.



- Ex.: • To enter 1 (hours): 02 (minutes): 00 (seconds), press 1, 0, 2, 0, then 0.
- To enter 54 (minutes): 00 (seconds), press 0, 5, 4, 0, then 0.

- It is always required to enter the hour digit (even “0” hour), but it is not required to enter trailing zeros (the last two digits in the examples above).
- To correct a misentry, press...

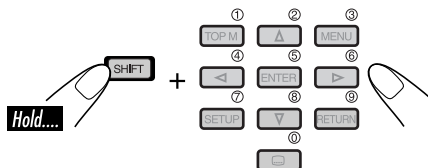


- 3 Finish the procedure.



To search for a particular title/chapter/track

- 1 Select **TITLE**, **CHAP**, or **TRACK**.
- 2 Enter the number.



- To correct a misentry, press the number button until the correct number is entered.

- 3 Finish the procedure.

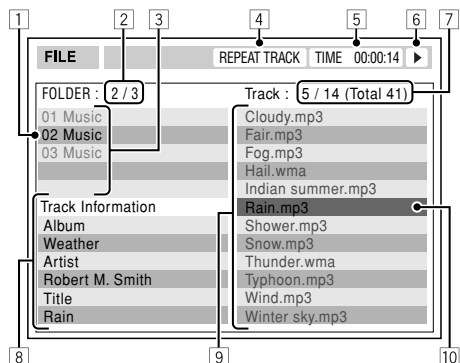


Basic control screen operations

You can search for and play the desired items through the control screen.

- The control screen automatically appears on the monitor when you insert a disc.

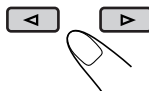
MP3/WMA control screen



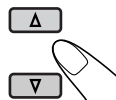
- 1 Current folder
- 2 Current folder number/total folder number
- 3 Folder list
- 4 Selected playback mode
- 5 Elapsed playing time of the current track
- 6 Operation mode icon
▶ (play), ■ (stop), || (pause)
- 7 Current track number/total number of tracks in the current folder (total number of tracks on the disc)
- 8 Track information
- 9 Track list
- 10 Current track (highlighted bar)

To select a folder or track

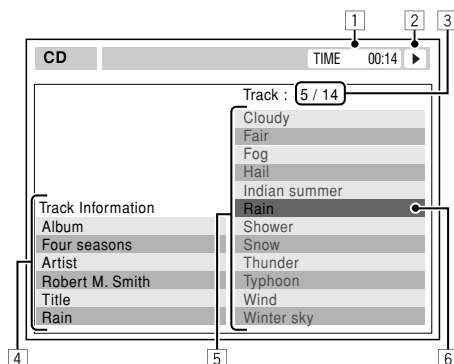
- 1 Select "Folder" column or "Track" column on the control screen.



- 2 Select a folder or track.

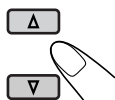


CD Text/audio CD control screen



- 1 Elapsed playing time of the current track
- 2 Operation mode icon
▶ (play), ■ (stop), || (pause), ►► (fast-forward), ◀◀ (reverse)
- 3 Current track number/total number of tracks on the disc
- 4 Track information
- 5 Track list
- 6 Current track (highlighted bar)

To select a track



DVD setup menu

You can store the initial disc playback status.

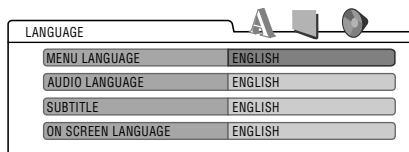
- While playing, no change can be made on the setup menu.

Basic setting procedure

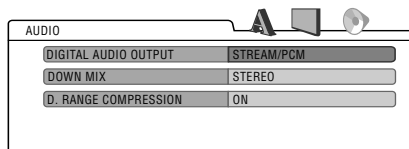
While stop...

1

SETUP



2

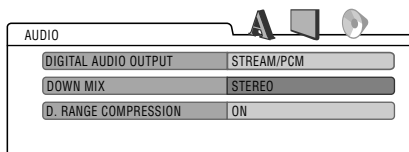


Ex.: When selecting the "AUDIO" menu

3 Select an item you want to set up.

Δ

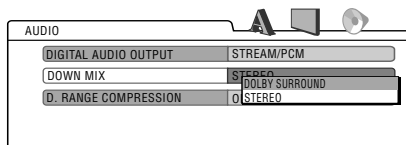
▽



Ex.: When selecting "DOWN MIX"

4

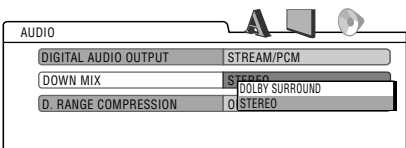
ENTER



5 Select an option.

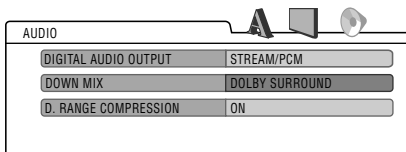
Δ

▽



6

ENTER



To set other items on the same menu

Repeat steps 3 to 6.

To set other items on other menus

Repeat steps 2 to 6.

To return to the normal screen

SETUP

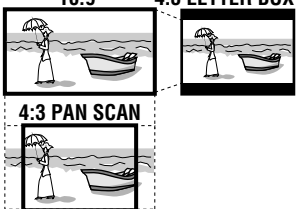
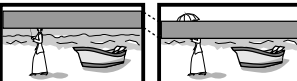


A LANGUAGE menu

Item	Contents
MENU LANGUAGE	Select the initial disc menu language.
AUDIO LANGUAGE	Select the initial audio language.
SUBTITLE	Select the initial subtitle language or erase the subtitle (OFF).
ON SCREEN LANGUAGE	Select the language for the Setup menu and some indications shown on the monitor.

- For the LANGUAGE settings, see also the language codes list on page 49.

PICTURE menu

Item	Contents
MONITOR TYPE 16:9 4:3 LETTER BOX 4:3 PAN SCAN 	Select the monitor type to watch a wide screen picture on your monitor. • 16:9 [MULTI]* : Select this when the aspect ratio of your monitor is 16:9. • 4:3 [MULTI]* LETTER BOX : Select this when the aspect ratio of your monitor is 4:3. While viewing a wide screen picture, the black bars appear on the top and the bottom of the screen. • 4:3 [MULTI]* PAN SCAN : Select this when the aspect ratio of your monitor is 4:3. While viewing a wide screen picture, the black bars do not appear; however, the left and right edges of the pictures will not be shown on the screen. <i>* Select [MULTI] options for the multi-color system TVs.</i>
OSD POSITION Position 1 Position 2 	Select the on-screen bar position on the monitor. • 1 : Higher position • 2 : Lower position

To be continued....



AUDIO menu

Item	Contents
DIGITAL AUDIO OUTPUT	Select the signal format to be emitted through the DIGITAL OUT (Optical) terminal on the rear. For details, see page 54. • PCM ONLY : Select this when connecting an amplifier or a decoder incompatible with Dolby Digital, DTS, MPEG Audio, or connecting to a recording device. • DOLBY DIGITAL/PCM : Select this when connecting an amplifier or a decoder compatible with Dolby Digital. • STREAM/PCM : Select this when connecting an amplifier or a decoder compatible with Dolby Digital, DTS, and MPEG Audio.
DOWN MIX	When playing back a multi-channel DVD disc, this setting affects the signals reproduced through the LINE OUT jacks (and through the DIGITAL OUT terminal when “PCM ONLY” is selected for “DIGITAL AUDIO OUTPUT”). • DOLBY SURROUND : Select this when you want to enjoy multi-channel surround audio by connecting an amplifier compatible with Dolby Surround to this receiver. • STEREO : Normally select this.
D.RANGE COMPRESSION	You can enjoy a powerful sound at low or middle volume levels while playing a Dolby Digital software. • AUTO : Select this to apply the effect to multi-channel encoded software (excluding 1-channel and 2-channel software). • ON : Select this to always use this function.

Other disc operations

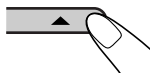
In this section, you can learn how to use the buttons on the control panel in order to operate the DVD/CD player.

Basic operations

To stop playback



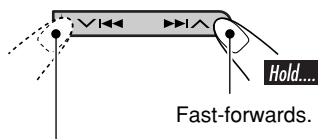
To start playback again



To eject a disc



To fast-forward or reverse the chapter/track



Fast-forwards.

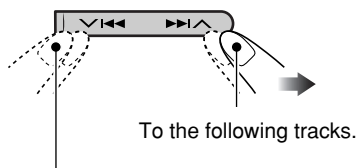
Reverses.

* The search speed changes to x2 $\Rightarrow$ x10 for all discs (DVD, VCD, CD), but the information shown on the monitor is only for DVD/VCD.

To go to the next or previous chapters/tracks



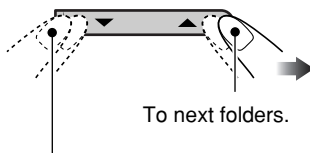
For DVD: During play or pause



To the following tracks.

To the beginning of the current track, then the previous tracks.

To go to the next or previous folders



To next folders.

To previous folders.

To locate a particular title/chapter/folder/track directly



- For DVD: During play or pause—select a chapter.
During stop—select a title.
- For VCD: While PBC (see page 20) is not in use.

To select a number from 1 – 6:

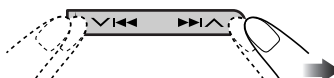


To select a number from 7 – 12:



- The number buttons can also use to select item on the PBC menu.
- To use folder search on MP3/WMA discs, it is required that folders are assigned with 2-digit number at the beginning of their folder names—01, 02, 03, and so on.

- To select a particular track in a folder (for MP3/WMA disc) after selecting a folder:

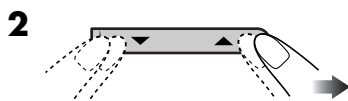
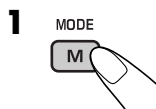


To be continued...

To go to a chapter/track quickly

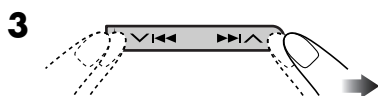


- For DVD: During play or pause.
- For VCD: While PBC (see page 20) is not in use.
- For MP3/WMA: Select a track within the same folder.



First time you press **▲** or **▼** button, the chapter/track skips to the nearest higher or lower chapter/track with a number of multiple ten (ex. 10th, 20th, 30th). Then each time you press the button, you can skip 10 chapters/tracks.

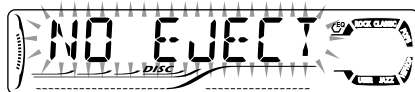
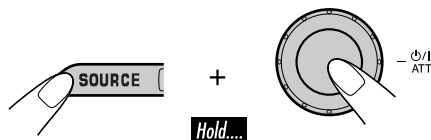
- After the last chapter/track, the first chapter/track will be selected and vice versa.



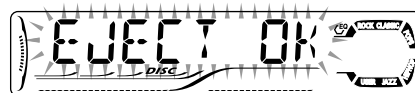
Each time you press the button consecutively, the next or previous chapters/tracks is located and played back.

Prohibiting disc ejection

You can lock a disc in the loading slot.



To cancel the prohibition, repeat the same procedure.

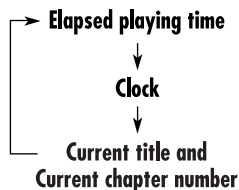


Changing the display information

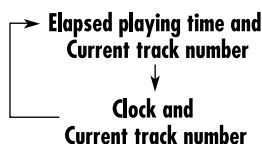


- For MP3/WMA, CD Text, and audio CD, see page 42.

While playing a DVD

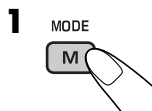


While playing a VCD



Selecting the playback modes

You can use only one of the following playback modes at a time.

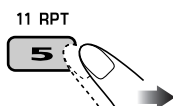


2 Select your desired playback mode.

Repeat play



- For DVD: During play or pause.
- For VCD: While PBC (see page 20) is not in use.



Ex.: When "TRK RPT" is selected while playing an MP3 disc

Mode

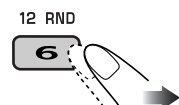
Plays repeatedly

- CHP RPT***1: The current chapter.
• RPT lights up.
- TIT RPT***1: The current title.
• and RPT light up.
- TRK RPT***2: The current track.
• RPT lights up.
- FLDR RPT***3: All tracks of the current folder.
• and RPT light up.
- RPT OFF**: For DVD: Cancels Repeat play.
For other discs: All tracks of the disc.

Random play



- For VCD: While PBC (see page 20) is not in use.



Ex.: When "DISC RND" is selected while playing an MP3 disc

Mode

Plays at random

- FLDR RND***3: All tracks of the current folder, then tracks of the next folder and so on.
• RND and light up.
- DISC RND**: All tracks of the disc.
• RND and light up.
- RND OFF**: Cancels.

*1 Only while playing a DVD disc.

*2 Except for DVD discs.

*3 Only while playing an MP3 or a WMA disc.

Dual Zone operations

Only for KD-ADV6160

Listening with headphones

By connecting headphones to the 2nd AUDIO OUT plug on the rear, you can listen to the playback sound through the DVD/CD player while listening to another source through the speakers.

You can activate Dual Zone while listening to any source.

- When Dual Zone is in use, you can only operate the DVD/CD player using the remote controller.

On the remote controller:

1 Activate Dual Zone.

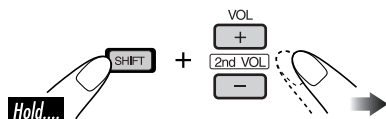


The source automatically changes to "DISC."

To select a different source to listen through the speakers, press **SOURCE** on the control panel.

- By using the buttons on the control panel, you can operate the newly selected source without affecting Dual Zone operations.

2 Adjust the headphone volume through the 2nd AUDIO OUT plug.

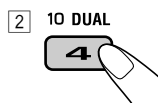
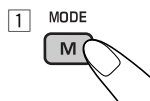


3 Operate the DVD/CD player using the remote controller by referring to the monitor screen.

To cancel Dual Zone operations, repeat step 1. ("DUAL OFF" appears on the display.)

On the control panel:

You can also activate and deactivate Dual Zone.



The source automatically changes to "DISC" when Dual Zone is activated.

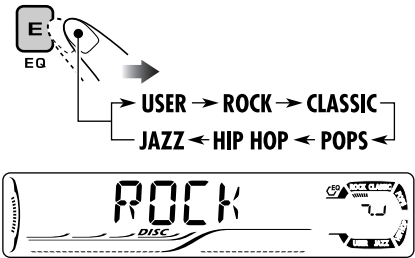
Cautions:

- DO NOT put on the headphones while driving a car. It is dangerous to shut off the outside sounds while driving.
- DO NOT put on the headphones before adjusting the 2nd VOL level properly; otherwise, it may damage your hearing.

Sound adjustments

Selecting preset sound modes

You can select a preset sound mode suitable to the music genre.



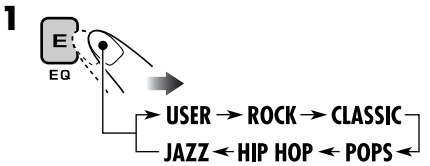
Ex.: When “ROCK” is selected

Indication pattern for each sound mode:

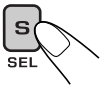
USER	ROCK
JAZZ	CLASSIC
HIP HOP	POPS

Storing your own sound adjustments

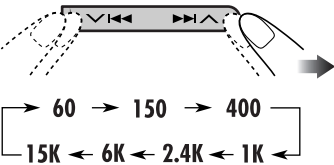
You can adjust the sound modes and store your own adjustments in memory.



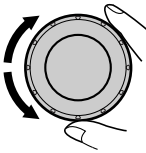
2 Enter the sound adjustment mode.



3 Select a frequency to adjust.



4 Adjust the level (–05 to +05).



5 Repeat steps 3 and 4 to adjust the other frequency bands.

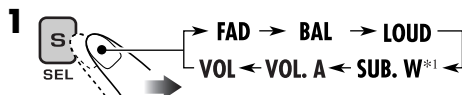
6 Store the adjustments in the respective mode.



- For the preset frequency level settings, see page 54.

Adjusting the sound

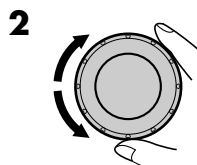
You can adjust the sound characteristics to your preference.



*1 Only for KD-ADV6160



Ex.: When "FAD" is selected



Indication pattern changes as you adjust the level.



Indication	To do:	Range
FAD* ² (fader)	Adjust the front and rear speaker balance.	R06 (Rear only) to F06 (Front only)
BAL (balance)	Adjust the left and right speaker balance.	L06 (Left only) to R06 (Right only)
LOUD (loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON ↕ LOUD OFF
SUB. W* ³ (subwoofer)	Adjust the subwoofer output level.	00 (min.) to 08 (max.)
VOL. A* ⁴ (volume adjust)	Adjust and store the volume level of each source.	-05 (min.) to +05 (max.)
VOL* ⁵ (volume)	Adjust the volume.	00 (min.) to 30 or 50 (max.)* ⁶

*² If you are using a two-speaker system, set the fader level to "00."

*³ Only for KD-ADV6160: This takes effect only when a subwoofer is connected.

*⁴ You cannot make an adjustment if the source is FM. "FIX" will appear.

*⁵ Normally the control dial works as the volume control. So you do not have to select "VOL" to adjust the volume level.

*⁶ Depending on the amplifier gain control setting. (See page 37 for details.)

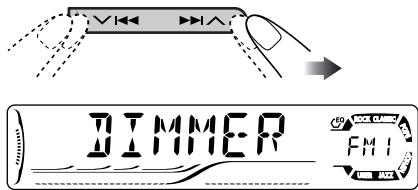
General settings — PSM

Basic procedure

You can change PSM (Preferred Setting Mode) items (except for SID) listed in the table that follows.

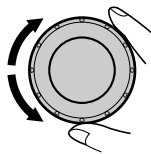


2 Select a PSM item.



Ex.: When you select “DIMMER”

3 Adjust the PSM item selected.



4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

5 Finish the procedure.



Indications	Selectable settings, [reference page]
DEMO Display demonstration	DEMO ON: [Initial]; Display demonstration will be activated automatically if no operation is done for about 20 seconds, [11]. DEMO OFF: Cancels.
CLOCK H Hour adjustment	1 – 12, [11] [Initial: 1 (1:00)]
CLOCK M Minute adjustment	00 – 59, [11] [Initial: 00 (1:00)]
CLK ADJ* Automatic clock adjustments	AUTO: [Initial]; The built-in clock is automatically adjusted using the clock time data provided via the SIRIUS® radio channel. OFF: Cancels.

* Displayed only when SIRIUS radio is connected.

To be continued...

Indications	Selectable settings, [reference page]
T-ZONE *1, *2 Time zone	Select your residential area from one of the following time zone for clock adjustment. EASTERN [Initial] ⇄ ATLANTIC ⇄ NEWFOUND (Newfoundland) ⇄ ALASKA ⇄ PACIFIC ⇄ MOUNTAIN ⇄ CENTRAL ⇄ (back to the beginning).
DST *1, *2 Daylight saving time	Activates this if your residential area is subject to DST. ON: [Initial]; Activates daylight savings time. OFF: Cancels.
SID *1 SIRIUS® ID	The 12-digits SIRIUS identification number scrolls on the display after 5 seconds, [45]. • Press S SEL to resume the previous display.
LEVEL Audio level meter	ON: [Initial]; Activates the audio level indicator. OFF: Cancels; sound mode indicator is shown, [33].
DIMMER Dimmer	AUTO: [Initial]; Dims the display when you turn on the headlights. ON: Activates dimmer. OFF: Cancels.
TEL *3 Telephone muting	MUTING 1/MUTING 2: Select either one which mutes the sounds while using the cellular phone. OFF: [Initial]; Cancels.
SCROLL *4 Scroll	ONCE: [Initial]; Scrolls the disc information once. AUTO: Repeats scrolling (5-second intervals in between). OFF: Cancels. • Even if “SCROLL” is set to “OFF,” you can scroll the display by pressing D DISP for more than one second.

*1 Displayed only when SIRIUS radio is connected.

*2 Displayed only when “CLK ADJ” is set to “AUTO.”

*3 Only for KD-ADV6160.

*4 Some characters or symbols will not be shown (and will be blanked) on the display (Ex. “ABC&!d#” ⇒ “ABCA D ”).

Indications	Selectable settings, [reference page]
WOOFER * ³ Subwoofer cutoff frequency	LOW: Frequencies lower than 80 Hz are sent to the subwoofer. MID: [Initial]; Frequencies lower than 120 Hz are sent to the subwoofer. HIGH: Frequencies lower than 160 Hz are sent to the subwoofer.
HPF * ³ High pass filter	HPF ON: The cut-off frequency is chosen automatically according to the WOOFER setting (LOW/MID/HIGH) so that you can enjoy the low frequency effect (LFE) purely from the subwoofer if it is connected. HPF OFF: [Initial]; Cancels.
EXT IN * ⁶ External input	CHANGER: [Initial]; To use a JVC CD changer, [40]. EXT IN: To use any external component (other than SIRIUS DLP), [44].
TAG DISP Tag display	TAG ON: [Initial]; Shows the ID3 tag while playing MP3/WMA tracks, [42]. TAG OFF: Cancels.
REAR SPK * ³ , * ⁵ Rear speaker output	ON: [Initial]; Select this to turn on the rear speaker output. OFF: Cancels.
AMP GAIN Amplifier gain control	You can change the maximum volume level of this receiver. LOW PWR: VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from damaging the speaker.) HIGH PWR: [Initial]; VOL 00 – VOL 50 OFF * ³ : Deactivates the built-in amplifier.
AREA Tuner channel interval	AREA EU: Select this when using the receiver in an area other than North and South America. (FM: 50 kHz—manual tuning, 100 kHz—auto search; AM: 9 kHz) AREA US: [Initial]; Select this when using the receiver in North or South America. (FM: 200 kHz; AM: 10 kHz)

*⁵ Displayed only when Dual Zone is activated (see page 32).

*⁶ Cannot be selected if the source is "CD-CH" or "EXT IN."

Other main functions

Assigning titles to the sources

You can assign titles to station frequencies and CDs (both in this receiver and in the CD changer).

Sources	Maximum number of characters
FM/AM tuner	Up to 8 characters (up to 30 station frequencies)
DISC/CD-CH	Up to 32 characters (up to 30 discs)

- You cannot assign a title to a DVD, VCD, CD Text, or an MP3/WMA disc.

1 Select the source.

- For FM/AM tuner: Tune into a station.
- For a CD in this receiver: Insert a CD.
- For CDs in the CD changer: Select "CD-CH," then select a disc number.

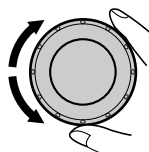
2 Enter the title assignment mode.



Ex.: When you select "DISC" as the source

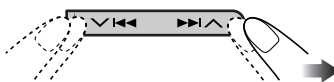
3 Assign a title.

1 Select a character.



A	B	C	D	E	F	G	H	I	J	K	L	M	N
O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1
2	3	4	5	6	7	8	9	-	/	<	>	space	

2 Move to the next (or previous) character position.



3 Repeat steps 1 and 2 until you finish entering the title.

4 Finish the procedure.



To erase the entire title

In step 2 on the left column....

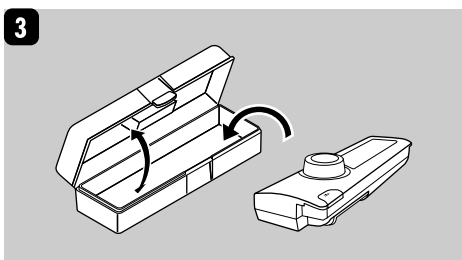
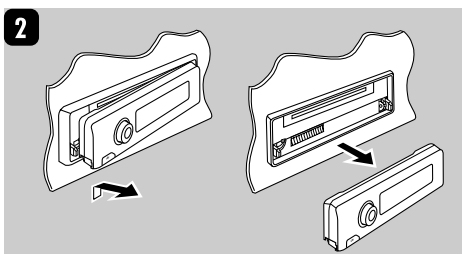
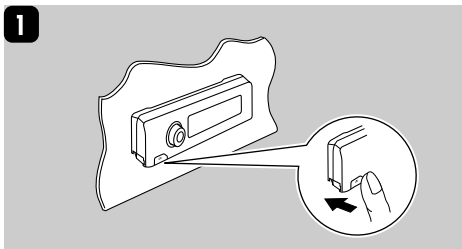


Detaching the control panel

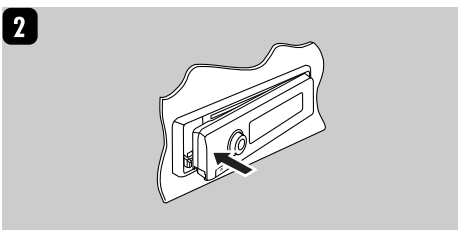
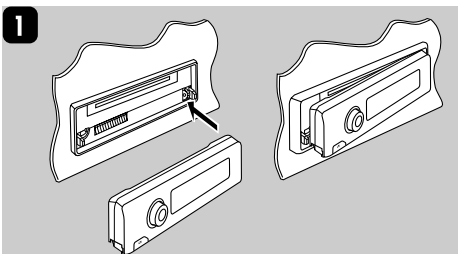
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

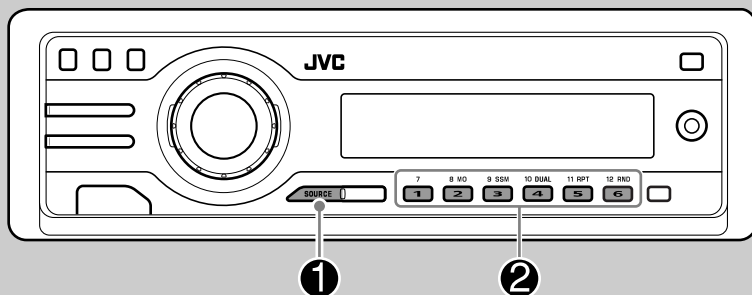


Attaching the control panel



CD changer operations

Playing discs in the CD changer



About the CD changer

It is recommended to use the JVC MP3-compatible CD changer with your receiver.

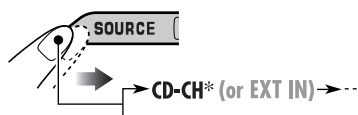
- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). However, they are not compatible with MP3 discs, so you cannot play back MP3 discs.
- You cannot use the KD-MK series CD changers with this receiver.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.

Before operating your CD changer:

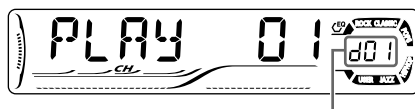
- Refer also to the Instructions supplied with your CD changer.
- You cannot control and play any DVD, VCD, and WMA disc in the CD changer.

All tracks of the inserted discs in the magazine will be played repeatedly until you change the source or eject the magazine from the CD changer.

1



* If you have changed "EXT IN" setting to "EXT IN" (see page 37), you cannot select the CD changer.



Selected disc number

2

Select a disc.

For disc number from 01 – 06:

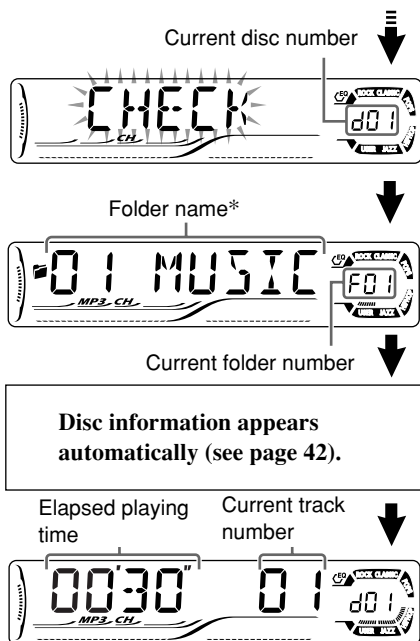


For disc number from 07 – 12:



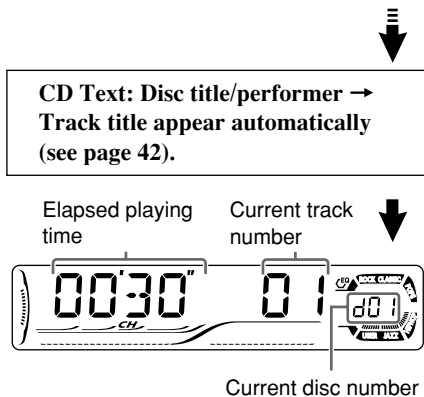
Hold...

- When the current disc is an MP3 disc:

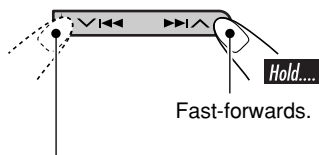


* "ROOT" appears if no folder is included in the disc.

- When the current disc is an audio CD or a CD Text disc:

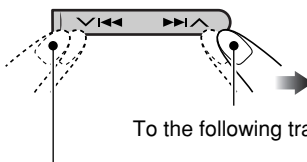


To fast-forward or reverse the track



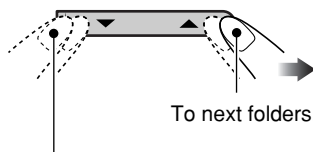
Reverses.

To go to the next or previous tracks



To the beginning of the current track, then the previous tracks.

To go to the next or previous folders (only for MP3 discs)

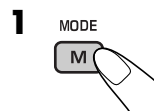


To previous folders.

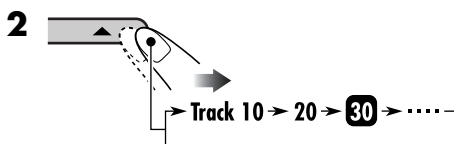
To skip to a track quickly during play

- For MP3 disc, you can skip a track within the same folder.

Ex.: To select track 32 while playing track 6



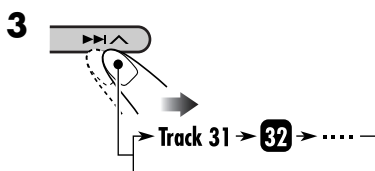
To be continued...



First time you press ▲ or ▼ button, the track skips to the nearest higher or lower track with a track number of multiple ten (ex. 10th, 20th, 30th).

Then each time you press the button, you can skip 10 tracks.

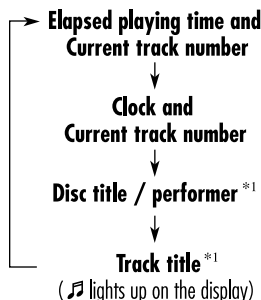
- After the last track, the first track will be selected and vice versa.



Changing the display information



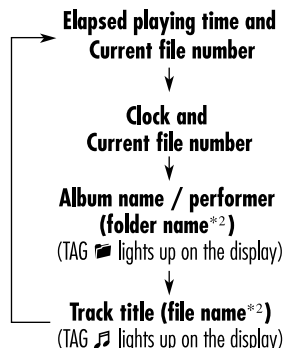
While playing an audio CD or a CD Text



- *1 If no title is assigned to an audio CD, "NO NAME" appears. To assign a title to an audio CD, see page 38.

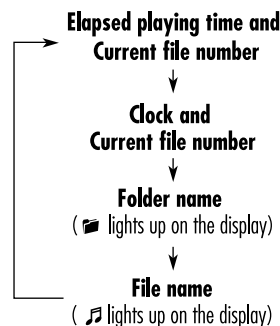
While playing an MP3 disc

- When "TAG DISP" is set to "TAG ON" (see page 37)



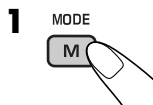
- *2 If an MP3 file does not have ID3 tags, folder name and file name appear. In this case, the TAG indicator will not light up.

- When "TAG DISP" is set to "TAG OFF"



Selecting the playback modes

You can use only one of the following playback modes at a time.



2 Select your desired playback mode.

Repeat play

11 RPT



Ex.: When "TRK RPT" is selected while playing an MP3 disc

Mode

Plays repeatedly

- TRK RPT:** The current track.
- RPT lights up.
- FLDR RPT*:** All tracks of the current folder.
- and RPT light up.
- DISC RPT:** All tracks of the inserted discs.
- and RPT light up.
- RPT OFF:** Cancels.

Random play

12 RND



Ex.: When "DISC RND" is selected while playing an MP3 disc

Mode

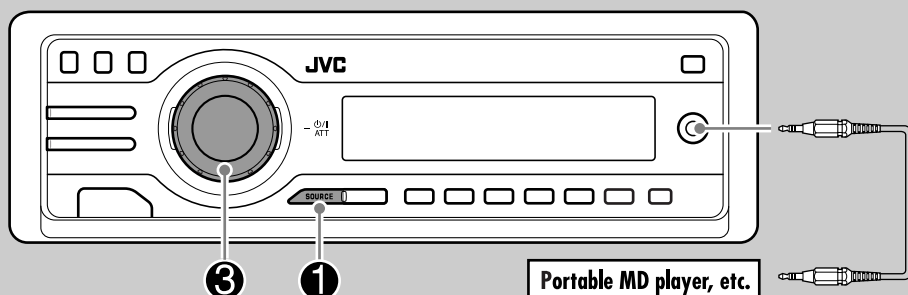
Plays at random

- FLDR RND*:** All tracks of the current folder, then tracks of the next folder and so on.
- RND and light up.
- DISC RND:** All tracks of the current disc.
- RND and light up.
- MAG RND:** All tracks of the inserted discs.
- RND lights up.
- RND OFF:** Cancels.

* Only while playing an MP3 disc.

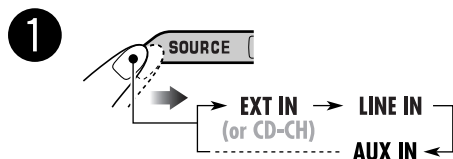
External component operations

Playing an external component



You can connect an external component to the CD changer jack on the rear using the Line Input Adapter—KS-U57 (not supplied), LINE IN plug on the rear, or AUX (auxiliary) input jack on the control panel.

- For connection, see Installation/Connection Manual (separate volume).



LINE IN: For selecting the external component connected to the LINE IN plug.

AUX IN: For selecting the external component connected to the AUX input jack.

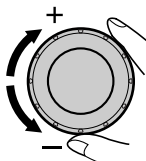
(NOT compatible with digital signals.)

EXT IN: For selecting the external component connected to the CD changer jack on the rear.

- If “EXT IN” does not appear, see page 37 and select the external input (EXT IN).

2 Turn on the connected component and start playing the source.

3 Adjust the volume.



4 Adjust the sound as you want. (See pages 33 and 34.)

About SIRIUS radio

SIRIUS is a satellite radio that can deliver digital-quality sound.

SIRIUS has 65 music channels which are all commercial-free and 50 channels of sports, news, and entertainment programs.

You can enjoy and control the SIRIUS radio digital entertainment channels from the receiver by connecting the JVC SIRIUS radio DLP—Down Link Processor (optionally purchased) to the CD changer jack on the rear.

- You can also connect the JVC SIRIUS radio PnP (Plug and Play), KT-SR1000 or KT-SR2000, using the JVC SIRIUS radio adapter, KS-U100K (not supplied). By turning on the power of the receiver, you can turn on/off the JVC PnP. However, you cannot control it from this receiver.

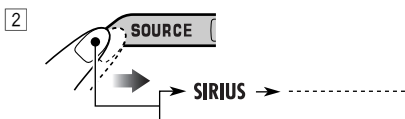
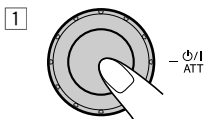
GCI (Global Control Information) update:

- If channels are updated after subscription, updating starts automatically. “UPDATING” flashes and no sound can be heard.
- Update takes a few minutes to complete.
- Do not press any button or perform any operation until updating has been completed.

Before operating your SIRIUS radio:

- For connection, see Installation/Connection Manual (separate volume).
- Refer also to the Instructions supplied with your SIRIUS radio.

Before you can listen to JVC DLP, activate your SIRIUS subscription after connection:



JVC DLP starts updating all the SIRIUS channels.

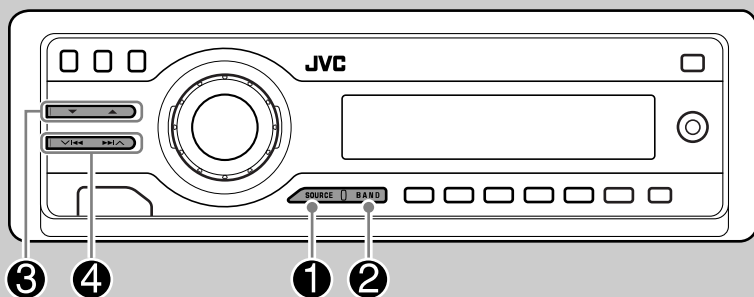
“UPDATING” flashes on the display for a few minutes. No sound can be heard during update.

Once completed, JVC DLP tunes in to the preset channel, CH184.

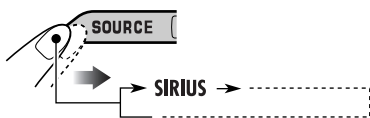
- 3 Check your SIRIUS ID, see page 36.

- 4 Contact SIRIUS on the internet at <http://activate.siriusradio.com/> to activate your subscription, or you can call SIRIUS toll-free at 1-888-539-SIRIUS (7474). “SUB UPDT PRESS ANY KEY” scrolls on the display once subscription has been completed.

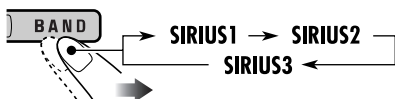
Listening to the SIRIUS® radio



1

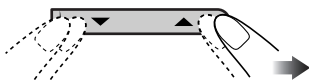


2



3

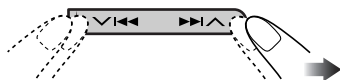
Select a category.



You can tune in to all the channels of every category by selecting "ALL."
Selecting a particular category (SPORTS, ENTERTAINMENT, etc.) allows you to enjoy only the channels from the selected category.

4

Select a channel for listening.



Press and hold these buttons change the channels rapidly.

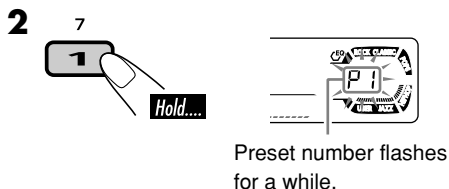
- When changing the category or channel, invalid and unsubscribed channels are skipped automatically.

Storing channels in memory

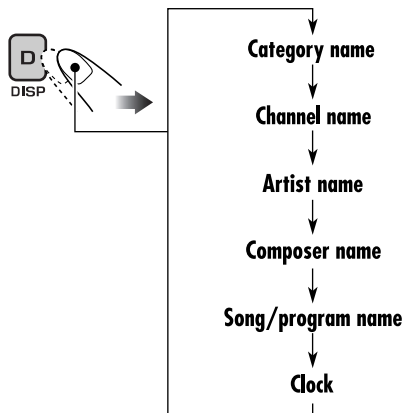
You can preset six channels for each band.

Ex.: Storing a channel into preset number 4.

1 Perform steps **1** to **4** on page 46, to tune in to a channel you want.



To change the display information while listening to a channel

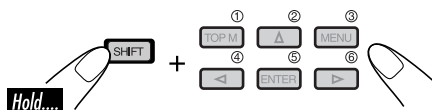


Listening to a preset channel

- 1**
-
- 2**
-
- 3** Select the preset channel (1 – 6) you want.



When using the remote controller....

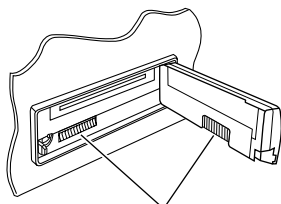


Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connector

Moisture condensation

Moisture may condense on the lens inside the DVD/CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the DVD/CD player may malfunction. In this case, eject the disc and leave the receiver turned on for a few hours until the moisture evaporates.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

Center holder



- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this receiver may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:



Language codes

Code	Language	Code	Language	Code	Language
AA	Afar	IK	Inupiak	RN	Kirundi
AB	Abkhazian	IN	Indonesian	RO	Rumanian
AF	Afrikaans	IS	Icelandic	RW	Kinyarwanda
AM	Ameharic	IW	Hebrew	SA	Sanskrit
AR	Arabic	JI	Yiddish	SD	Sindhi
AS	Assamese	JW	Javanese	SG	Sangho
AY	Aymara	KA	Georgian	SH	Serbo-Croatian
AZ	Azerbaijani	KK	Kazakh	SI	Singhalese
BA	Bashkir	KL	Greenlandic	SK	Slovak
BE	Byelorussian	KM	Cambodian	SL	Slovenian
BG	Bulgarian	KN	Kannada	SM	Samoan
BH	Bihari	KO	Korean (KOR)	SN	Shona
BI	Bislama	KS	Kashmiri	SO	Somali
BN	Bengali, Bangla	KU	Kurdish	SQ	Albanian
BO	Tibetan	KY	Kirghiz	SR	Serbian
BR	Breton	LA	Latin	SS	Siswati
CA	Catalan	LN	Lingala	ST	Sesotho
CO	Corsican	LO	Laothian	SU	Sundanese
CS	Czech	LT	Lithuanian	SW	Swahili
CY	Welsh	LV	Latvian, Lettish	TA	Tamil
DZ	Bhutani	MG	Malagasy	TE	Telugu
EL	Greek	MI	Maori	TG	Tajik
EO	Esperanto	MK	Macedonian	TH	Thai
ET	Estonian	ML	Malayalam	TI	Tigrinya
EU	Basque	MN	Mongolian	TK	Turkmen
FA	Persian	MO	Moldavian	TL	Tagalog
FI	Finnish	MR	Marathi	TN	Setswana
FJ	Fiji	MS	Malay (MAY)	TO	Tonga
FO	Faroese	MT	Maltese	TR	Turkish
FY	Frisian	MY	Burmese	TS	Tsonga
GA	Irish	NA	Nauru	TT	Tatar
GD	Scots Gaelic	NE	Nepali	TW	Twi
GL	Galician	NO	Norwegian	UK	Ukrainian
GN	Guarani	OC	Occitan	UR	Urdu
GU	Gujarati	OM	(Afan) Oromo	UZ	Uzbek
HA	Hausa	OR	Oriya	VI	Vietnamese
HI	Hindi	PA	Panjabi	VO	Volapuk
HR	Croatian	PL	Polish	WO	Wolof
HU	Hungarian	PS	Pashto, Pushto	XH	Xhosa
HY	Armenian	PT	Portuguese	YO	Yoruba
IA	Interlingua	QU	Quechua	ZU	Zulu
IE	Interlingue	RM	Rhaeto-Romance		

More about this receiver

Basic operations

Turning on the power

- By pressing SOURCE on the receiver, you can also turn on the power.

Selecting the sources

- When no disc is loaded in the receiver, "DISC" cannot be selected.
- Without connecting to the CD changer or the SIRIUS radio, "CD-CH" or "SIRIUS" cannot be selected.

Turning off the power

- If you turn off the power while listening to a disc, disc play will start automatically, next time you turn on the power.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and stations are stored newly.
 - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
 - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

Disc operations

General

- In this manual, words "track" and "file" are interchangeably used when referring to MP3/WMA files and their file names.
- This receiver can also playback 8 cm (3-3/16") discs.
- This receiver can only playback audio CD (CD-DA) files if different type of files are recorded in the same disc.
 - The first track will be skipped if a different type of file is detected first.
- When a disc has been loaded, selecting "DISC" for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, "PLEASE" and "EJECT" appear alternately on the display. Press  to eject the disc.

Playing a DVD-R/DVD-RW or CD-R/CD-RW

- Use only "finalized" discs.
- This receiver can play back only the files of the same type which is first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- Only for CD-R/CD-RW: This receiver can play back multi-session discs; however, unclosed sessions will be skipped while playing.

- Some DVD-R/DVD-RW or CD-R/CD-RW may not play back on this receiver because of their disc characteristics, and for the following causes:
 - Discs are dirty or scratched.
 - Moisture condensation occurs on the lens inside the receiver.
 - The pickup lens inside the receiver is dirty.
 - CD-R/CD-RW on which the files are written with “Packet Write” method.
 - DVD-R/DVD-RW which are not written in UDF-Bridge Format (eg. UDF format or ISO format).
 - There are improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).
- DVD-RW/CD-RW may require a longer readout time since the reflectance of DVD-RW/CD-RW is lower than that of regular discs.
- Do not use the following DVD-R/DVD-RW or CD-R/CD-RW:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidities may cause malfunctions or damages to discs.

Playing an MP3/WMA disc

- This receiver can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower) recorded in either CD-R/CD-RW or in DVD-R/DVD-RW.
- This receiver can show the names of albums, artists (performer), and ID3 Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and WMA files.
- This receiver can display only one-byte characters. No other characters can be correctly displayed.
- This receiver can play back MP3/WMA files meeting the conditions below:
 - Bit rate: MP3: 32 kbps — 320 kbps
WMA: 32 kbps — 192 kbps
 - Sampling frequency:
48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
48 kHz, 44.1 kHz, 32 kHz (for WMA)
 - Disc format: ISO 9660 Level 1/ Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo: up to 128 characters
 - Joliet: up to 64 characters
 - Windows long file name: up to 128 characters
- This receiver can recognize the total of 1100 files, 250 folders (maximum of 999 files per folder).
- This receiver can play back the files recorded in VBR (variable bit rate).
The files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.

To be continued....

- This receiver cannot play back the following files:
 - MP3 files encoded with MP3i and MP3 PRO format.
 - MP3 files encoded in an unappropriated format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded with lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - WMA files recorded with MBR (Multiple Bit Rate) format.
 - Files which have the data such as WAVE, ATRAC3, etc.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
Next time you select “DISC” for the playback source (without activating Dual Zone), disc play starts from where it has been stopped previously.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to prevent it from dust. (Disc will not play this time.)

DVD setup menu

- When the language you have selected is not recorded on a disc, the original language is automatically used as the initial language. In addition, for some discs, the initial languages settings will not work as you set due to their internal disc programming.
- While playing (or pausing), you cannot change these languages.
After you change any of these language settings, eject the disc and insert it (or another disc) again so that your setting takes effect.
- When you select “16:9 [MULTI]” for a picture whose aspect ratio is 4:3, the picture slightly changes due to the process for converting the picture width.
- Even if “4:3 [MULTI] PAN SCAN” is selected, the screen size may become “4:3 [MULTI] LETTER BOX” with some DVDs. This depends on how they are recorded.

General settings—PSM

- If you change the “AMP GAIN” setting from “HIGH PWR” to “LOW PWR” while the volume level is set higher than “VOL 30,” the receiver automatically changes the volume level to “VOL 30.”

Other main functions

- If you try to assign a title to a 31st station or 31st disc, “NAMEFULL” flashes on the display. Delete unwanted titles before assignment.
- Titles assigned to discs in the CD changer can also be shown if you playback the disc on the receiver.

About sounds reproduced through the rear terminals

- Through the analog terminals (Speaker out/LINE OUT/2nd AUDIO OUT): 2-channel signal is emitted.

When playing a multi-channel encoded disc, multi-channel signals are downmixed.
(AUDIO—DOWN MIX: see page 28.)

- Through DIGITAL OUT (optical):

Digital signals (Linear PCM, Dolby Digital, DTS, MPEG Audio) are emitted through this terminal. (For more details, see page 54.)

To reproduce multi-channel sounds such as Dolby Digital and DTS, connect an amplifier or a decoder compatible with these multi-channel sources to this terminal, and set “DIGITAL AUDIO OUTPUT” correctly. (See page 28.)

- About Dual Zone

While you are listening to the radio, CD changer, or external component through the speakers built into your car compartment, you can listen to the playback sound of this DVD/CD player using the headphones connected to the 2nd AUDIO OUT plug at the same time. (For details, see page 32.)

On-screen guide icons

During play, the following guide icons may appear for a while on the monitor.

 : Appears at the beginning of a scene containing multi-subtitle languages (for DVD only).

 : Appears at the beginning of a scene containing multi-audio languages (for DVD only).

 : Appears at the beginning of a scene containing multi-angle views (for DVD only).

 : Playback

 : Pause

 : Forward Slow Motion Playback (for DVD and VCD only)

 : Reverse Slow Motion Playback (for DVD only)

 : Forward search

 : Reverse search

■ Output signals through the DIGITAL OUT terminal

Output signals are different depending on the “DIGITAL AUDIO OUTPUT” setting on the setup menu (see page 28).

DIGITAL AUDIO OUTPUT Playback Disc		Output Signals		
		STREAM/PCM	DOLBY DIGITAL/PCM	PCM ONLY
DVD	48 kHz, 16/20/24 bits Linear PCM	48 kHz, 16 bits stereo Linear PCM		
	96 kHz, Linear PCM			
	with DTS	DTS bitstream	48 kHz, 16 bits stereo Linear PCM	
	with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bits stereo Linear PCM
	with MPEG Audio	MPEG bitstream	48 kHz, 16 bits Linear PCM	
Audio CD, Video CD		44.1 kHz, 16 bits stereo Linear PCM / 48 kHz, 16 bits stereo Linear PCM		
Audio CD with DTS		DTS bitstream	44.1 kHz, 16 bits stereo Linear PCM	
MP3/WMA		32/44.1/48 kHz, 16 bits Linear PCM		

■ Sound modes (preset frequency level settings)

The list below shows the preset frequency level settings for each sound mode (see page 33).

Sound mode	Preset equalizing values						
	60 Hz	150 Hz	400 Hz	1 kHz	2.4 kHz	6 kHz	15 kHz
USER	00	00	00	00	00	00	00
ROCK	+03	+02	00	00	+01	+02	+01
CLASSIC	+01	+03	+01	00	00	+02	00
POPS	00	+02	00	00	00	+01	+02
HIP HOP	+04	+01	-01	-02	00	+01	00
JAZZ	+03	+02	+01	+01	+01	+03	+01

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	• Sound cannot be heard from the speakers.	The volume level is set to the minimum level. Connections are incorrect.	Adjust it to the optimum level. Check the cords and connections.
	• The receiver does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).
	• Remote controller does not work.	Dual Zone is activated (see page 32).	While Dual Zone is activated, remote controller only functions for operating the DVD/CD player.
FM/AM	• SSM automatic presetting does not work.	Signals are too weak.	Store stations manually.
	• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
Disc playback	• Disc cannot be played back.	Disc is inserted upside down.	Insert the disc correctly.
	• CD-R/CD-RW or DVD-R/DVD-RW cannot be played back. • Tracks on the CD-R/CD-RW or DVD-R/DVD-RW cannot be skipped.	CD-R/CD-RW or DVD-R/DVD-RW is not finalized.	• Insert a finalized CD-R/CD-RW or DVD-R/DVD-RW. • Finalize the CD-R/CD-RW or DVD-R/DVD-RW with the component which you used for recording.
	• Disc cannot be recognized.	The DVD/CD player may have functioned incorrectly.	Eject the disc forcibly (see page 2).
	• "NO DISC" appears on the display.	Disc is inserted incorrectly.	Insert the disc correctly.

To be continued....

	Symptoms	Causes	Remedies
Disc playback	Sound and picture are sometimes interrupted or distorted.	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
	No playback picture (DVD, VCD) appears on the monitor.	Parking brake wire is not connected properly.	See Installation/Connection Manual.
	No picture appears on the monitor at all.	The video cord is not connected correctly.	Connect the video cord correctly.
		An incorrect input has been selected on the TV or monitor.	Select a correct input on the TV or monitor.
	The left and right edges of the picture are missing on the screen.	“4:3 [MULTI] PAN SCAN” is selected when viewing on a conventional TV (aspect ratio 4:3).	Select “4:3 [MULTI] LETTER BOX.” (See page 27.)
MP3/WMA playback	Disc cannot be played back.	No MP3/WMA tracks are recorded on the disc.	Change the disc.
		MP3/WMA tracks do not have the extension code <.mp3> or <.wma> in their file names.	Add the extension code <.mp3> or <.wma> to their file names.
		MP3/WMA tracks are not recorded in a compliant format.	Change the disc. Record MP3/WMA tracks using a compliant application (see page 6).
		MP3/WMA tracks are recorded in DVD+R/ DVD+RW media.	Change the disc. Record MP3/WMA tracks using DVD-R/DVD-RW media.
	Noise is generated.	The track played back is not an MP3/WMA file (although it has the extension code <.mp3> or <.wma>).	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)

	Symptoms	Causes	Remedies
MP3/WMA playback	A longer readout time is required.	Readout time varies due to the complexity of the folder/file configuration.	Do not use too many hierarchies and folders.
	Tracks cannot be played back as you have intended them to play.	Playback order is determined when the files are recorded.	_____
	Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.	_____
	“PLEASE” and “EJECT” appear alternately on the display.	The current disc does not contain any MP3/WMA tracks.	Insert a disc that contains MP3/WMA tracks.
	Correct characters are not displayed (e.g. album name).	This receiver can only display alphabets (capital: A – Z), numbers, and a limited number of symbols.	_____
CD changer	“NO DISC” appears on the display.	No disc is in the magazine. Disc is inserted upside down.	Insert disc into the magazine. Insert disc correctly.
	“NO MAG” appears on the display.	No magazine is loaded in the CD changer.	Insert the magazine.
	“RESET 8” appears on the display.	This receiver is not connected to the CD changer correctly.	Connect this receiver and the CD changer correctly and press the reset button of the CD changer.
	“RESET 1” – “RESET 7” appears on the display.	_____	Press the reset button of the CD changer.
	The CD changer does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	Reset the receiver (see page 2).

To be continued....

	Symptoms	Causes	Remedies
SIRIUS	• “CALL 1-888-539-SIRIUS TO SUBSCRIBE” scrolls on the display.	Subscription has not been done.	Starts subscribing (see page 45).
	• “NO SIGNAL” scrolls on the display.	Signals are too weak.	Move to an area with stronger signals.
	• “NO ANTENNA” scrolls on the display.	The antenna is not connected firmly.	Connect the antenna firmly.
	• “NO CH” appears on the display for about 5 seconds, then returns to the previous display.	No broadcast on the selected channel.	Select another channel or continue listening to the previous channel.
	• “NO (information)*” appears or scrolls on the display.	No text information for the selected channel.	_____
	• No sound can be heard.	“UPDATING” flashes on the display.	The receiver is updating the channel information and it takes a few minutes to complete.
	• SIRIUS radio does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reconnect the SIRIUS radio after a few seconds.

* NO CATEGORY, NO CHANNEL, NO ARTIST, NO COMPOSER, or NO SONG/PROGRAM.

Specifications

AUDIO AMPLIFIER SECTION

Power Output:

20 W RMS $\times$ 4 Channels at 4 Ω
and $\leq$ 1% THD+N

Signal to Noise Ratio:

80 dBA (reference: 1 W into 4 Ω)



Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Equalizer Control Range:

Frequencies: 60 Hz, 150 Hz, 400 Hz, 1 kHz,
2.4 kHz, 6 kHz, 15 kHz

Level: $\pm$ 10 dB

Audio Output Level:

KD-ADV6160:

Analog (2nd AUDIO OUT):

6 mW (at 16 Ω)

Digital (DIGITAL OUT: Optical):

Signal wave length: 660 nm

Output level: -21 dBm to -15 dBm

Line-Out Level/Impedance:

KD-ADV6160:

5.0 V/20 k Ω load (full scale)

KD-DV5100:

2.5 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

Subwoofer-Out Level/Impedance:

KD-ADV6160: 2.0 V/20 k Ω load (full scale)

Color System: NTSC

Video Output (composite): 1 V_{p-p}/75 Ω

Other Terminals: LINE IN, CD changer

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 107.9 MHz

(with channel interval set to 200 kHz)

87.5 MHz to 108.0 MHz

(with channel interval set to 50 kHz)

AM: 530 kHz to 1 710 kHz

(with channel interval set to 10 kHz)

531 kHz to 1 602 kHz

(with channel interval set to 9 kHz)

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μ V/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μ V/75 Ω)

Alternate Channel Selectivity (400 kHz): 65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 35 dB

Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

DVD/CD PLAYER SECTION

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of Channels: 2 channels (stereo)

Frequency Response:

DVD, fs=48 kHz/96 kHz: 16 Hz to 22 000 Hz

VCD, CD, MP3, WMA: 16 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

MP3 (MPEG Audio Layer 3):

Max. Bit Rate: 320 kbps

WMA (Windows Media® Audio):

Max. Bit Rate: 192 kbps

GENERAL

Power Requirement:

Operating Voltage:

DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature:

0°C to +40°C (32°F to 104°F)

Dimensions (W $\times$ H $\times$ D):

Installation Size (approx.):

182 mm $\times$ 52 mm $\times$ 158 mm

(7-3/16" $\times$ 2-1/16" $\times$ 6-1/4")

Panel Size (approx.):

188 mm $\times$ 58 mm $\times$ 11 mm

(7-7/16" $\times$ 2-5/16" $\times$ 7/16")

Mass (approx.):

1.7 kg (3.7 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.



Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

Still having trouble??

USA ONLY

Call 1-800-252-5722

<http://www.jvc.com>

We can help you!

JVC



EN, SP, FR

© 2004 Victor Company of Japan, Limited

1204DTSMDTJEIN

JVC

KD-ADV6160/KD-DV5100

Installation/Connection Manual

Manual de instalación/conexión

Manuel d'installation/raccordement

GET0277-002A

[J]

1204DTSMDTJEIN

EN, SP, FR

ENGLISH

This receiver is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

WARNINGS

- DO NOT install any receiver in locations where;
 - it may obstruct the steering wheel and gearshift lever operations, as this may result in a traffic accident.
 - it may obstruct the operation of safety devices such as air bags, as this may result in a fatal accident.
 - it may obstruct visibility.
- DO NOT operate any receiver while manipulating the steering wheel, as this may result in a traffic accident.
- The driver must not watch the monitor while driving. If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.
- The driver must not put on the headphones while driving. It is dangerous to shut off the outside sounds while driving.
- If you need to operate the receiver while driving, be sure to look ahead carefully or you may be involved in a traffic accident.
- If the parking brake is not engaged, “DRIVER MUST NOT WATCH THE MONITOR WHILE DRIVING.” appears on the monitor, and no playback picture will be shown.
 - This warning appears only when the parking brake wire is connected to the parking brake system built in the car.

ESPAÑOL

Esta unidad está diseñada para funcionar con **12 V de CC, con sistemas eléctricos de masa NEGATIVA**. Si su vehículo no posee este sistema, será necesario un inversor de tensión, que puede ser adquirido en los concesionarios de JVC de equipos de audio para automóviles.

ADVERTENCIAS

- NO instale la unidad en los siguientes sitios:
 - Donde pueda obstruir la maniobra del volante de dirección y del cambio de engranajes, con el consiguiente riesgo de accidentes de tráfico.
 - Donde pueda obstruir el funcionamiento de dispositivos de seguridad tales como bolsas de aire, pues podría resultar en un accidente fatal.
 - Donde pueda obstruir la visibilidad.
- NO OPERE la unidad mientras está maniobrando el volante de dirección, pues podría producirse un accidente de tráfico.
- El conductor no debe mirar el monitor mientras conduce. Si el conductor mira el monitor mientras conduce puede descuidarse y causar un accidente.
- El conductor no deberá ponerse los auriculares mientras conduce. Es muy peligroso no escuchar los ruidos exteriores durante la conducción.
- Si necesita operar el receptor mientras conduce, asegúrese de mirar atentamente hacia adelante para no provocar un accidente de tráfico.
- Si no está aplicado el freno de estacionamiento, aparecerá en el monitor “EL CONDUCTOR NO DEBE MIRAR EL MONITOR MIENTRAS CONDUCE.”, y no se mostrará la imagen de reproducción.
 - Esta advertencia aparece únicamente cuando el cable del freno de estacionamiento se encuentra conectado al sistema del freno de estacionamiento incorporado al automóvil.

FRANÇAIS

Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 V à masse NEGATIVE. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

AVERTISSEMENTS

- *N'INSTALLEZ aucun élément dans les endroits suivants;*
 - *où il peut gêner l'accès au volant ou au levier de vitesse car cela peut entraîner un accident de la circulation.*
 - *où il peut gêner la manipulation de dispositifs de sécurité tels que les airbags car cela peut entraîner un accident fatal.*
 - *où il peut gêner la visibilité.*
- *NE COMMANDEZ pas l'appareil lors de la manipulation du volant car cela peut entraîner un accident de la circulation.*
- *Le conducteur ne doit pas regarder le moniteur lorsqu'il conduit. Regarder le moniteur lorsqu'on est au volant réduit considérablement la vigilance du conducteur et multiplie les risques d'accident.*
- *Le conducteur ne doit pas utiliser un casque d'écoute quand il est au volant. Il est en effet dangereux de bloquer les sons de la circulation routière pendant la conduite d'un véhicule.*
- *Si vous avez besoin de commander l'autoradio pendant que vous conduisez, continuez de regarder droit devant vous ou vous risquez de causer un accident de la circulation.*
- *Si le frein de stationnement n'est pas mis, “LE CONDUCTEUR NE DOIT PAS REGARDER LE MONITEUR EN CONDUISANT.” apparaît sur le moniteur et l'image de lecture n'apparaît pas.*
 - *Cet avertissement apparaît uniquement quand le fil du frein de stationnement est connecté au système de frein de stationnement intégré à la voiture.*

Parts list for installation and connection

The following parts are provided for this receiver. After checking them, please set them correctly.

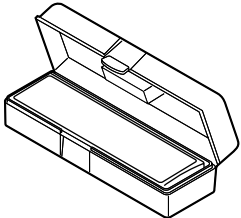
A / B

Hard case/Control panel

Estuche duro/Panel de control

Etui de transport/

Panneau de commande

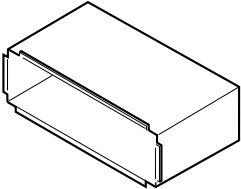


C

Sleeve

Cubierta

Manchon

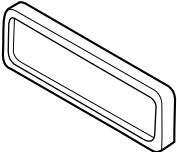


D

Trim plate

Placa de guarnición

Plaque d'assemblage

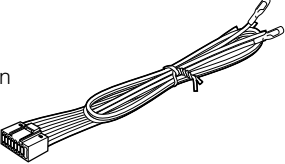


E

Power cord

Cordón de alimentación

Cordon d'alimentation

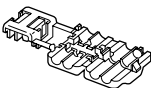


F

Crimp connector

Sujeción

Cosse à sertir



G

Washer (ø5)

Arandela (ø5)

Rondelle (ø5)



H

Lock nut (M5)

Tuerca de seguridad (M5)

Ecrou d'arrêt (M5)



I

Mounting bolt—

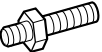
M5 x 20 mm (M5 x 13/16")

Perno de montaje—

M5 x 20 mm (M5 x 13/16 pulgada)

Boulon de montage—

M5 x 20 mm (M5 x 13/16 pouces)



J

Rubber cushion

Cojín de goma

Amortisseur en caoutchouc

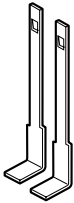


K

Handles

Manijas

Poignées

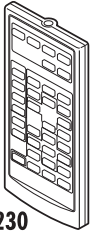


L

Remote controller

Control remoto

Télécommande



M

Battery

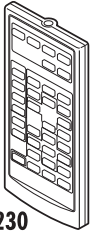
Pila

Pile



CR2025

RM-RK230



TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “—” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- **Receiver becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “—” terminals of L and R speakers grounded in common?
- **This receiver does not work at all.**
 - * Have you reset your receiver?

LOCALIZACION DE AVERIAS

- **El fusible se quema.**
 - * ¿Están los conductores rojo y negro correctamente conectados?
- **No es posible conectar la alimentación.**
 - * ¿Está el cable amarillo conectado?
- **No sale sonido de los altavoces.**
 - * ¿Está el cable de salida del altavoz cortocircuitado?
- **El sonido presenta distorsión.**
 - * ¿Está el cable de salida del altavoz conectado a masa?
 - * ¿Están los terminales “—” de los altavoces L y R conectados a una masa común?
- **Perturbación de ruido.**
 - * ¿El terminal de tierra trasero está conectado al chasis del automóvil utilizando los cordones más corto y más grueso?
- **La unidad se calienta.**
 - * ¿Está el cable de salida del altavoz conectado a masa?
 - * ¿Están los terminales “—” de los altavoces L y R conectados a una masa común?
- **Este receptor no funciona en absoluto.**
 - * ¿Reinicializó el receptor?

EN CAS DE DIFFICULTES

- **Le fusible saute.**
 - * *Les fils rouge et noir sont-ils racordés correctement?*
- **L'appareil ne peut pas être mise sous tension.**
 - * *Le fil jaune est-elle raccordée?*
- **Pas de son des enceintes.**
 - * *Le fil de sortie d'enceinte est-il court-circuité?*
- **Le son est déformé.**
 - * *Le fil de sortie d'enceinte est-il à la masse?*
 - * *Les bornes “—” des enceintes gauche et droit sont-elles mises ensemble à la masse?*
- **Interférence avec les sons.**
 - * *La prise arrière de mise à la terre est-elle connectée au châssis de la voiture avec un cordon court et épais?*
- **L'appareil devient chaud.**
 - * *Le fil de sortie d'enceinte est-il à la masse?*
 - * *Les bornes “—” des enceintes gauche et droit sont-elles mises ensemble à la masse?*
- **Cet appareil ne fonctionne pas du tout.**
 - * *Avez-vous réinitialisé votre appareil?*

INSTALLATION
(IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

- If you are not sure how to install this receiver correctly, have it installed by a qualified technician.

INSTALACION (MONTAJE EN EL
TABLERO DE INSTRUMENTOS)

La siguiente ilustración muestra una instalación típica. Si tiene alguna pregunta o necesita información acerca de las herramientas para instalación, consulte con su concesionario de JVC de equipos de audio para automóviles o a una compañía que suministra tales herramientas.

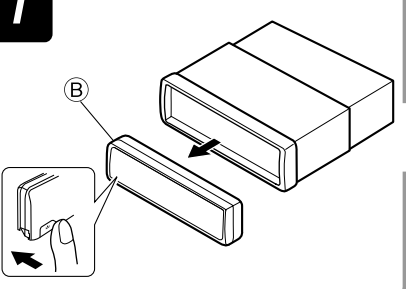
- Si usted no está seguro de cómo instalar correctamente la unidad, hágala instalar por un técnico cualificado.

INSTALLATION (MONTAGE
DANS LE TABLEAU DE BORD)

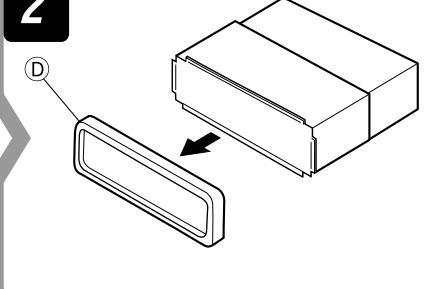
L'illustration suivante est un exemple d'installation typique. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.

- Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

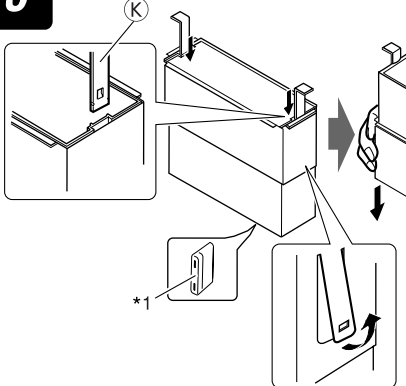
1



2



3



*1 When you stand the receiver, be careful not to damage the fuse on the rear.

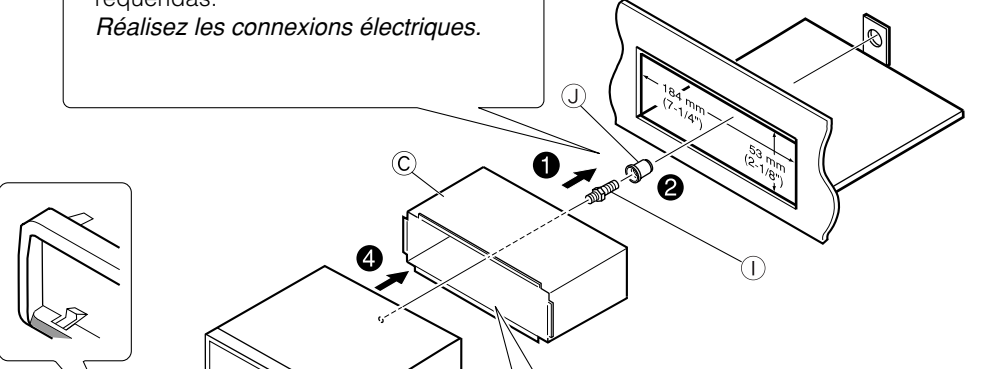
*1 Al poner la unidad vertical, tenga cuidado de no dañar el fusible provisto en la parte posterior.

*1 Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur l'arrière.

4

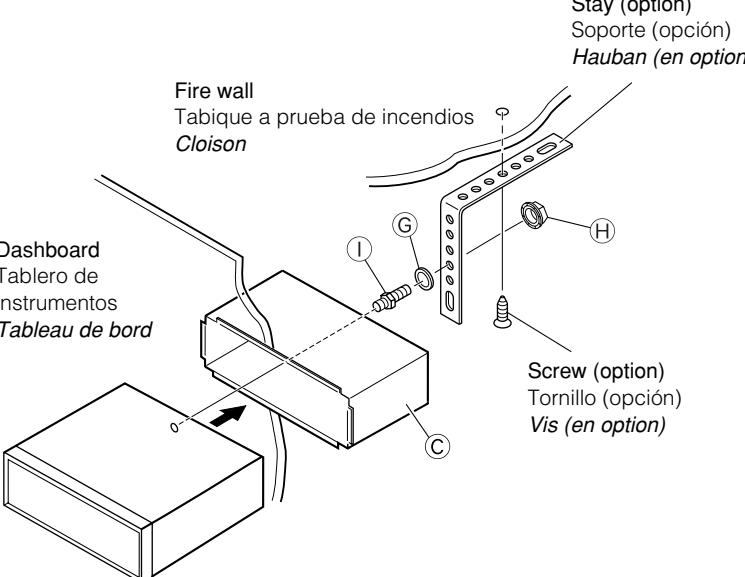
3

Do the required electrical connections.
Realice las conexiones eléctricas requeridas.
Réalisez les connexions électriques.



Bend the appropriate tabs to hold the sleeve firmly in place.
Doble las lengüetas apropiadas para retener firmemente la manga en su lugar.
Tordez les languettes appropriées pour maintenir le manchon en place.

When using the optional stay / Cuando emplea un soporte opcional / Lors de l'utilisation du hauban en option

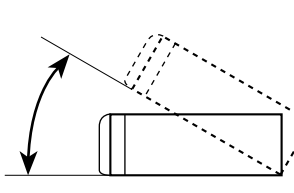


Fire wall
Tabique a prueba de incendios
Cloison

Dashboard
Tablero de instrumentos
Tableau de bord

Stay (option)
Soporte (opción)
Hauban (en option)

Screw (option)
Tornillo (opción)
Vis (en option)



Install the receiver at an angle of less than 30°.
Instale la unidad a un ángulo de menos de 30°.
Installez l'appareil avec un angle de moins de 30°.

When installing the receiver without using the sleeve / Instalación de la unidad sin utilizar la cubierta / Lors de l'installation de l'appareil sans utiliser de manchon

In a Toyota for example, first remove the car radio and install the receiver in its place.
En un Toyota por ejemplo, primero retire la radio del automóvil y luego instale la unidad en su lugar.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.

Flat type screws—M5 x 8 mm (M5 x 3/8") *2
Tornillos tipo plano—M5 x 8 mm (M5 x 3/8 pulgada) *2
Vis à tête plate—M5 x 8 mm (M5 x 3/8 pouces) *2

Bracket *2
Ménsula *2
Support *2

Pocket
Compartimiento
Poche

Bracket *2
Ménsula *2
Support *2

Flat type screws—M5 x 8 mm (M5 x 3/8") *2
Tornillos tipo plano—M5 x 8 mm (M5 x 3/8 pulgada) *2
Vis à tête plate—M5 x 8 mm (M5 x 3/8 pouces) *2

Note : When installing the receiver on the mounting bracket, make sure to use the 8 mm (3/8") -long screws. If longer screws are used, they could damage the receiver.

Nota : Cuando instala la unidad en la ménsula de montaje, asegúrese de utilizar los tornillos de 8 mm (3/8 pulgada) de longitud. Si se utilizan tornillos más largos, éstos pueden dañar la unidad.

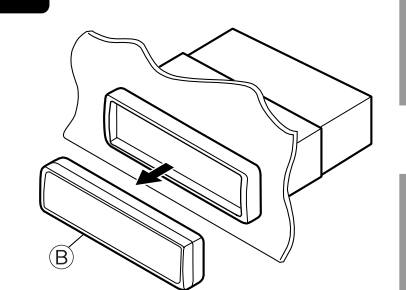
Remarque : Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 8 mm (3/8 pouces). Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.

Removing the receiver
Before removing the receiver, release the rear section.

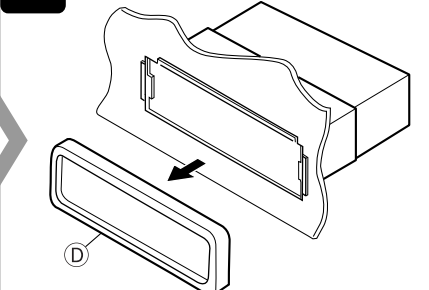
Extracción de la unidad
Antes de extraer la unidad, libere la sección trasera.

Retrait de l'appareil
Avant de retirer l'appareil, libérer la section arrière.

1

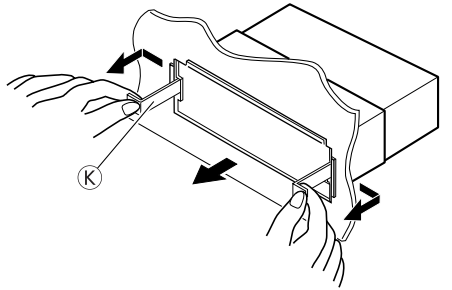


2



3

Insert the two handles, then pull them as illustrated so that the receiver can be removed.
Inserte las dos manijas y, a continuación, extraígalas de la manera indicada en la ilustración para poder desmontar la unidad.
Insérez les deux poignées, puis tirez de la façon illustrée de façon à retirer l'appareil.

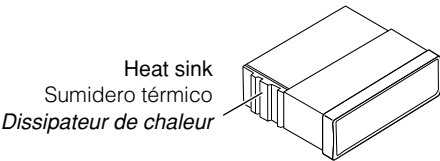


ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery’s negative terminal and make all electrical connections before installing the receiver.

- **Be sure to ground this receiver to the car’s chassis again after installation.**

- Notes:**
- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
 - It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change “AMP GAIN” setting to prevent the speakers from being damaged (see page 37 of the INSTRUCTIONS).
 - To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
 - The heat sink becomes very hot after use. Be careful not to touch it when removing this receiver.



CONEXIONES ELECTRICAS

Para evitar cortocircuitos, recomendamos que desconecte el terminal negativo de la batería y que efectúe todas las conexiones eléctricas antes de instalar la unidad.

- **Asegúrese de volver a conectar a masa esta unidad al chasis del automóvil después de la instalación.**

- Notas:**
- Reemplace el fusible por uno con la corriente especificada. Si el fusible se quemase frecuentemente consulte con su concesionario de JVC de equipos de audio para automóviles.
 - Se recomienda conectar los altavoces con una potencia máxima de más de 50 W (tanto atrás como adelante, con una impedancia de **4 Ω a 8 Ω**). Si la potencia máxima es de menos de 50 W, cambie “AMP GAIN” para evitar daños en los altavoces (consulte la página 37 del MANUAL DE INSTRUCCIONES).
 - Para evitar cortocircuitos, cubra los cables NO UTILIZADOS con cinta aislante.
 - El sumidero térmico estará muy caliente después del uso. Asegúrese de no tocarlo al desmontar esta unidad.

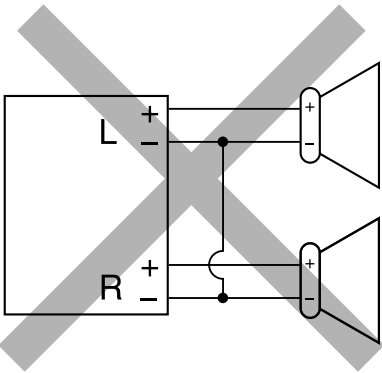
RACCORDEMENTS ELECTRIQUES

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d’effectuer tous les raccordements électriques avant d’installer l’appareil.

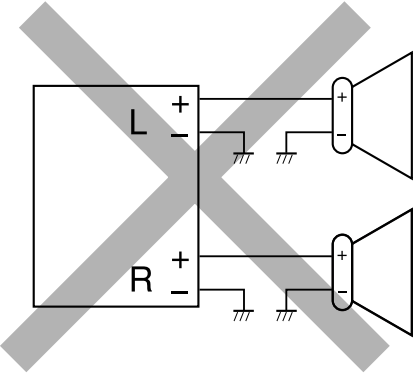
- **Assurez-vous de raccorder de nouveau la mise à la masse de cet appareil au châssis de la voiture après l’installation.**

- Remarques:**
- Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d’autoradios JVC.
 - Il est recommandé de connecter des enceintes avec une puissance de plus de 50 W (les enceintes arrière et les enceintes avant, avec une impédance comprise entre **4 Ω et 8 Ω**). Si la puissance maximum est inférieure à 50 W, changez “AMP GAIN” pour éviter d’endommager vos enceintes (voir page 37 du MANUAL D’INSTRUCTIONS).
 - Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS UTILISÉS avec de la bande isolante.
 - Le dissipateur de chaleur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

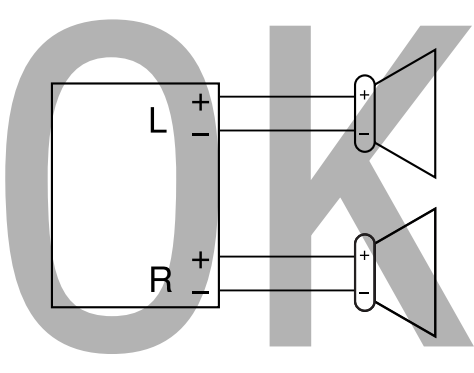
- PRECAUTIONS on power supply and speaker connections:**
- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the receiver will be seriously damaged.**
 - BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.



- PRECAUCIONES sobre las conexiones de la fuente de alimentación y de los altavoces:**
- **NO conecte los conductores de altavoz del cable de alimentación a la batería de automóvil, pues podrían producirse graves daños en la unidad.**
 - ANTES de conectar a los altavoces los conductores de altavoz del cable de alimentación, verifique el conexionado de altavoz de su automóvil.



- PRECAUTIONS sur l’alimentation et la connexion des enceintes:**
- **NE CONNECTEZ PAS les fils d’enceintes du cordon d’alimentation à la batterie; sinon, l’appareil serait sérieusement endommagé.**
 - AVANT de connecter les fils d’enceintes du cordon d’alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.



- About sounds reproduced through the rear terminals**
- **Through the analog terminals (Speaker out/LINE OUT/2nd AUDIO OUT):**
2-channel signal is emitted.
When playing a multi-channel encoded disc, multi-channel signals are downmixed. (AUDIO—DOWN MIX: see page 28 of the INSTRUCTIONS.)
 - **Through DIGITAL OUT (optical):**
Digital signals (Linear PCM, Dolby Digital*³, DTS*⁴, MPEG Audio) are emitted through this terminal. (For more details, see page 54 of the INSTRUCTIONS.)
To reproduce multi-channel sounds such as Dolby Digital and DTS, connect an amplifier or a decoder compatible with these multi-channel sources to this terminal, and set “DIGITAL AUDIO OUTPUT” to the correct value. (See page 28 of the INSTRUCTIONS.)
- *³ Manufactured under license from Dolby Laboratories. “Dolby,” “Pro Logic,” and the double-D symbol are trademarks of Dolby Laboratories.
*⁴ “DTS” and “DTS 2.0 + Digital Out” are trademarks of Digital Theater Systems, Inc.

- Acerca de los sonidos reproducidos a través de los terminales traseros**
- **A través de los terminales analógicos (salida de altavoz/ LINE OUT/2nd AUDIO OUT):**
Se emite la señal de 2 canales.
Cuando se reproduce un disco codificado multicanal, las señales multicanal se mezclan. (AUDIO—MEZCLA: consulte la página 28 del MANUAL DE INSTRUCCIONES).
 - **A través de DIGITAL OUT (óptico):**
Las señales digitales (PCM Lineal, Dolby Digital*³, DTS*⁴, MPEG Audio) se emiten a través de este terminal. (Para mayor información, consulte la página 54 del MANUAL DE INSTRUCCIONES).
Para reproducir sonidos multicanal, como Dolby Digital y DTS, conectar a este terminal un amplificador o decodificador compatible con estas fuentes multicanal, y ajustar “SALIDA DE AUDIO” al valor correcto. (Consulte la página 28 del MANUAL DE INSTRUCCIONES).
- *³ Fabricado bajo licencia de Dolby Laboratories. “Dolby”, “Pro Logic” y el símbolo con una doble D son marcas registradas de Dolby Laboratories.
*⁴ “DTS” y “DTS 2.0 + Digital Out” son marcas comerciales de Digital Theater Systems, Inc.

- À propos des sons reproduits par les prises arrière**
- **Par les prises analogiques (sortie des enceintes/LINE OUT/2nd AUDIO OUT):**
Un signal à deux canaux est émis.
Lors de la lecture d’un disque codé multicanal, les signaux multicanal sont sous-mixés. (AUDIO—MIXAGE DEMULTIPLICATION: voir page 28 du MANUAL D’INSTRUCTIONS).
 - **Par la prise DIGITAL OUT (optique):**
Les signaux numériques (Linear PCM, Dolby Digital *³, DTS *⁴, MPEG Audio) sont émis par cette prise. (Pour plus de détails, voir page 54 du MANUAL D’INSTRUCTIONS).
Pour reproduire des sons multicanal, tels que le Dolby Digital et le DTS, connectez un amplificateur ou un décodeur compatible avec ces sources multicanal à cette prise, et réglez “SOURTIE AUDIO NUM.” sur la valeur correcte. (Voir page 28 du MANUAL D’INSTRUCTIONS).
- *³ Fabriqué sous licence de Dolby Laboratories. “Dolby”, “Pro Logic” et le symbole double D sont des marques de commerce de Dolby Laboratories.
*⁴ “DTS” et “DTS 2.0 + Digital Out” sont des marques de commerce de Digital Theater Systems, Inc.

A Typical Connections / Conexiones típicas / Raccordements typiques

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this receiver.
The leads of the power cord and those of the connector from the car body may be different in color.

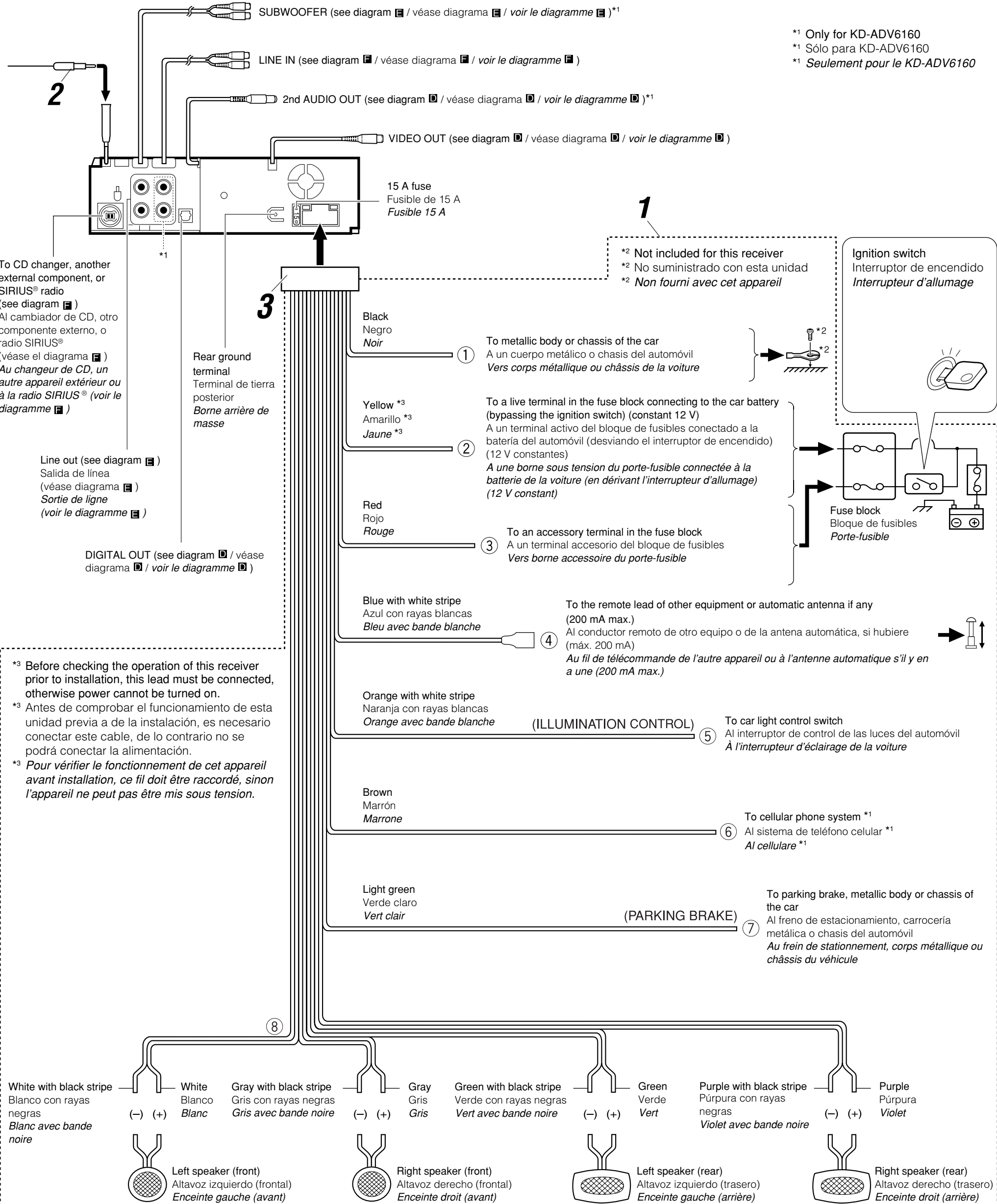
- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the antenna cord.
- 3 Finally connect the wiring harness to the receiver.

Antes de la conexión: Verifique atentamente el conexionado del vehículo. Una conexión incorrecta podría producir daños graves en la unidad.
Los cordones del cable de alimentación y los del conector procedentes de la carrocería del automóvil podrían ser de diferentes en color.

- 1 Conecte los conductores de color del cable de alimentación en el orden especificado en la ilustración de abajo.
- 2 Conecte el cable de antena.
- 3 Por último, conecte el cable de alimentación a la unidad.

Avant de commencer la connexion: Vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil.
Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

- 1 Connectez les fils colorés du cordon d'alimentation dans l'ordre spécifié sur l'illustration ci-dessous.
- 2 Connectez le cordon d'antenne.
- 3 Finalement, connectez le faisceau de fils à l'appareil.



B Connecting the parking brake wire / Conexión del cable del freno de estacionamiento / Connexion du cordon de frein de stationnement

When installing the monitor in a location where it can be seen by the driver

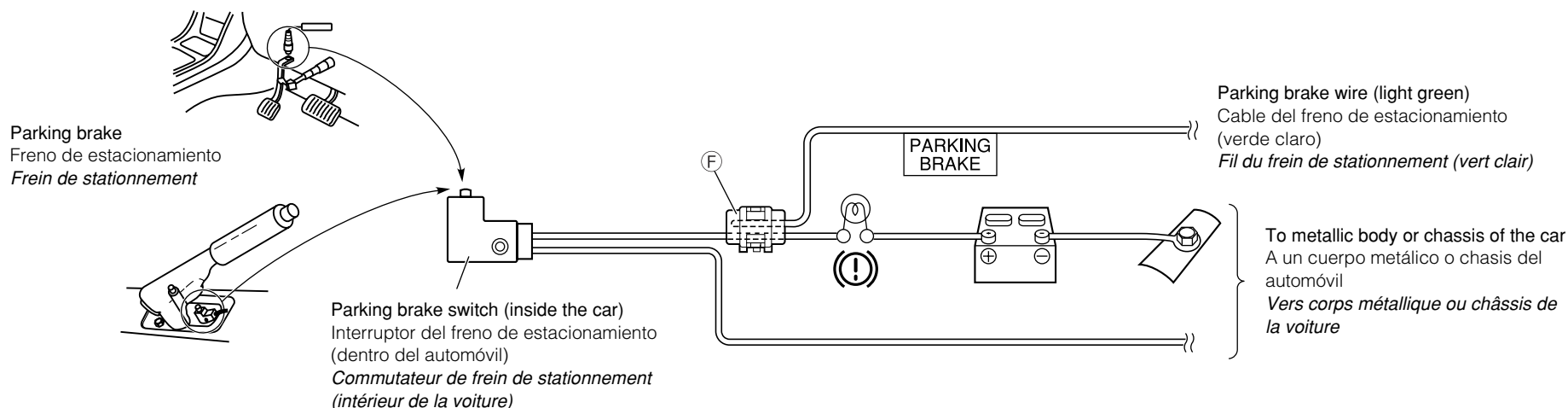
Connect the parking brake wire to the parking brake system built in the car.

Al instalar el monitor en un lugar donde pueda ser visto por el conductor

Conecte el cable del freno de estacionamiento al sistema de freno de estacionamiento del automóvil.

Lorsqu'on installe le moniteur à un emplacement où il peut être vu du conducteur

Connectez le fil de frein de stationnement au système de frein de stationnement.



When installing the monitor in a location where it cannot be seen by the driver

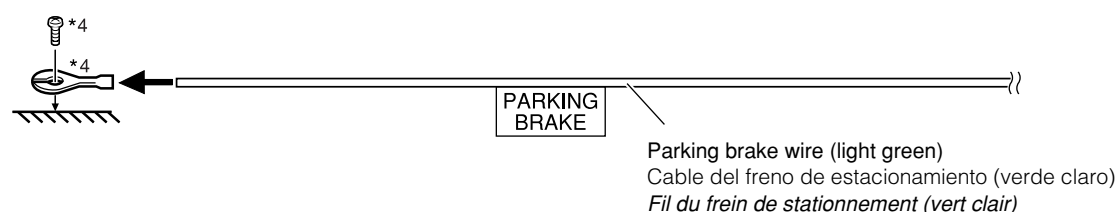
Connect the parking brake wire to metallic body or chassis of the car.

Al instalar el monitor en un lugar donde no pueda ser visto por el conductor

Conecte el cable del freno de estacionamiento a la carrocería metálica o al chasis del automóvil.

Lorsqu'on installe le moniteur à un emplacement où il ne peut pas être vu du conducteur

Connectez le fil du frein de stationnement au corps métallique ou châssis du véhicule.



*4 Not included for this receiver
*4 No suministrado con esta unidad
*4 Non fourni avec cet appareil

C Connecting the crimp connector / Conexión del conector de presión / Connexion de la cosse sertie

Wire connecting the battery and the parking brake switch.

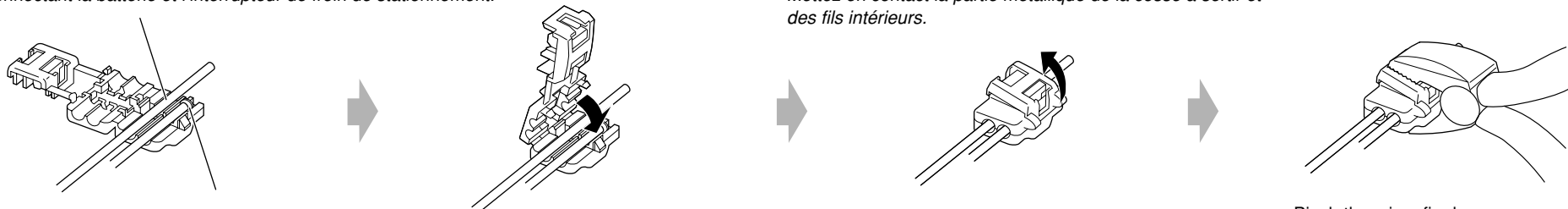
Conecte la batería y el interruptor del freno de estacionamiento.

Fil connectant la batterie et l'interrupteur de frein de stationnement.

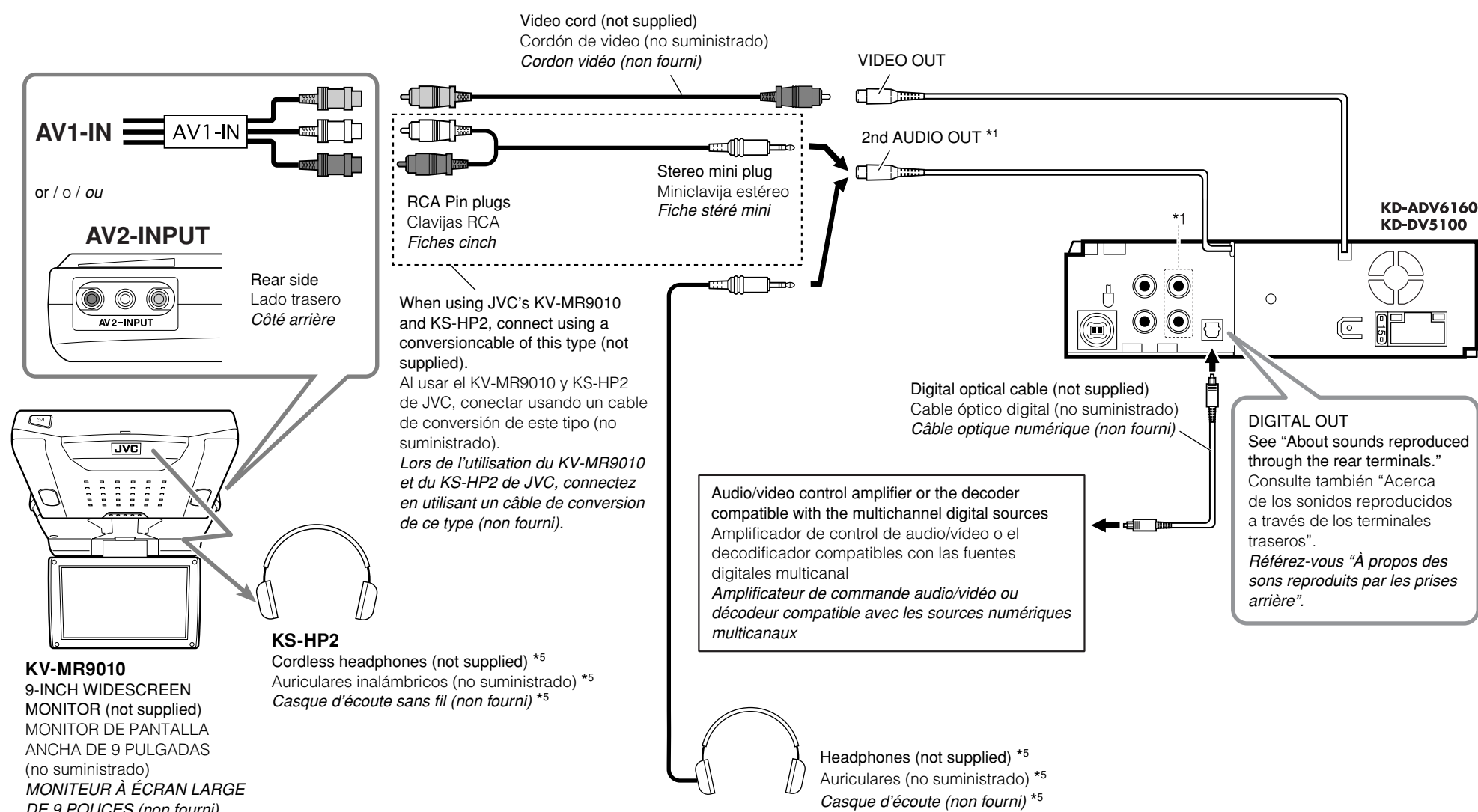
Contact the metallic part of the crimp to the wires inside.

Conecte la parte metálica del engarce a los cables interiores.

Mettez en contact la partie métallique de la cosse à sertir et des fils intérieurs.



D Required connections for DVD playback / Conexiones requeridas para reproducción de DVD / Connexions requises pour la lecture de DVD



*5 Only for KD-ADV6160: To listen to disc playback sound while in Dual Zone operations (see page 32 of INSTRUCTIONS).

*5 Solo para KD-ADV6160: Para escuchar el sonido de reproducción de disco mientras se está en operaciones Dual Zone (consulte la página 32 del MANUAL DE INSTRUCCIONES).

*5 Seulement pour le KD-ADV6160: Pour écouter le son de lecture des disque lors de l'utilisation du mode Dual Zone (voir page 32 du MANUAL D'INSTRUCTIONS).

E Connecting the external amplifiers / Conexión a los amplificadores externos / Connexion d'amplificateurs extérieurs

You can connect amplifiers to upgrade your car stereo system.

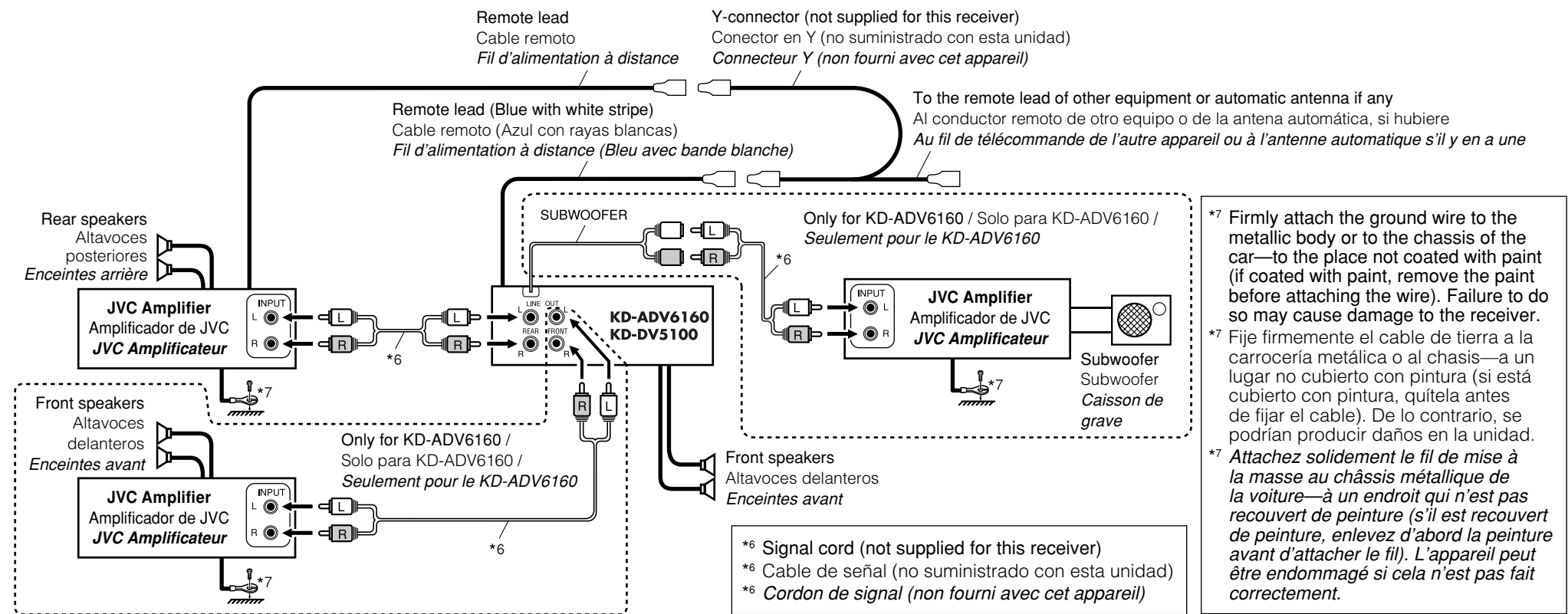
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this receiver.
 - **For amplifier only:**
 - **Disconnect the speakers from this receiver, connect them to the amplifier. Leave the speaker leads of this receiver unused.**
 - For KD-ADV6160: You can switch off the built-in amplifier and send the audio signals only to the external amplifier(s) to get clear sounds and to prevent internal heat built-up inside the receiver. See page 37 of the INSTRUCTIONS (separate volume).
- The line output level of this receiver is kept high to maintain the hi-fi sounds reproduced from this receiver. When connecting an external amplifier to this receiver, turn down the gain control on the external amplifier to obtain the best performance from this receiver.

Usted podrá conectar amplificadores para mejorar el sistema estéreo de su automóvil.

- Conecte el conductor remoto (azul con rayas blancas) al conductor remoto del otro equipo para poderlo controlar a través de esta unidad.
 - **Sólo para el amplificador:**
 - **Desconecte los altavoces de esta unidad y conéctelos al amplificador. Los cables de los altavoces de esta unidad quedan sin usar.**
 - Para KD-ADV6160: Podrá desconectar el amplificador incorporado y enviar las señales de audio solamente al(los) amplificador(es) externo(s) para obtener sonidos nítidos y evitar que se caliente el interior de la unidad. Véase la página 37 de las MANUAL DE INSTRUCCIONES (volumen separado). El nivel de salida de línea de esta unidad permanece alto para que corresponda con los sonidos de alta fidelidad reproducidos por esta unidad.
- Cuando conecte un amplificador externo a esta unidad, disminuya el control de ganancia del amplificador externo para obtener un óptimo rendimiento de esta unidad.

Vous pouvez connecter des amplificateurs pour améliorer votre système autoradio.

- Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.
 - **Pour l'amplificateur seulement:**
 - **Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés.**
 - Pour le KD-ADV6160: Vous pouvez désactiver l'amplificateur intégré et envoyer les signaux audio uniquement à un ou plusieurs amplificateurs extérieurs afin d'obtenir un son clair et pour éviter un échauffement interne de l'appareil. Référez-vous à la page 37 du MANUEL D'INSTRUCTIONS (volume séparé). Le niveau de sortie de ligne de cet appareil est maintenu à un niveau élevé pour maintenir une qualité Hi-Fi pour les sons reproduits par cet appareil.
- Lors de la connexion d'un amplificateur extérieur à cet appareil, diminuez le réglage du gain sur l'amplificateur extérieur pour obtenir les meilleures performances de cet appareil.



F Connecting other external components / Conexión de otros componentes externos / Connexion d'un autre appareil extérieur

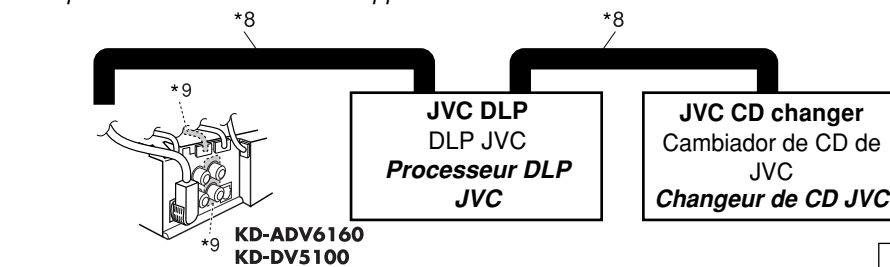
JVC CD changer and DLP (Down Link Processor) / Cambiador de CD de JVC y DLP ("Down Link Processor") JVC / Changeur de CD JVC et Processeur DLP (Processeur de signaux satellite-terre) JVC

- Set "EXT IN" to "CHANGER" (see page 37 of the INSTRUCTIONS). / Ajuste "EXT IN" a "CHANGER" (consulte la página 37 del MANUAL DE INSTRUCCIONES). / Réglez "EXT IN" sur "CHANGER" (voir la page 37 du MANUEL D'INSTRUCTIONS).

You can connect both components in series as illustrated below.

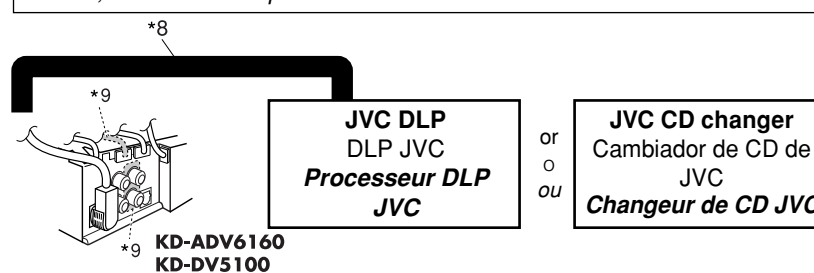
Podrá conectar ambos componentes en serie, tal como se observa en la ilustración de abajo.

Vous pouvez connecter les deux appareils en série comme montré sur l'illustration.



CAUTION / PRECAUTION / PRECAUTION:

- Before connecting the CD changer and/or JVC DLP, make sure that the receiver is turned off.
- Antes de conectar el cambiador de CD y/o DLP JVC, asegúrese de que el receptor esté apagado.
- Avant de connecter votre changeur de CD et/ou votre processeur DLP JVC, assurez-vous que l'autoradio est hors tension.



JVC PnP (Plug and Play) / PnP ("Plug and Play") JVC / PnP ("Plug and Play") JVC

- Set "EXT IN" to "EXT IN" (see page 37 of the INSTRUCTIONS). / Ajuste "EXT IN" a "EXT IN" (consulte la página 37 del MANUAL DE INSTRUCCIONES). / Réglez "EXT IN" sur "EXT IN" (voir la page 37 du MANUEL D'INSTRUCTIONS).

You can also connect JVC PnP through this receiver using JVC SIRIUS radio adapter, KS-U100K (not supplied).

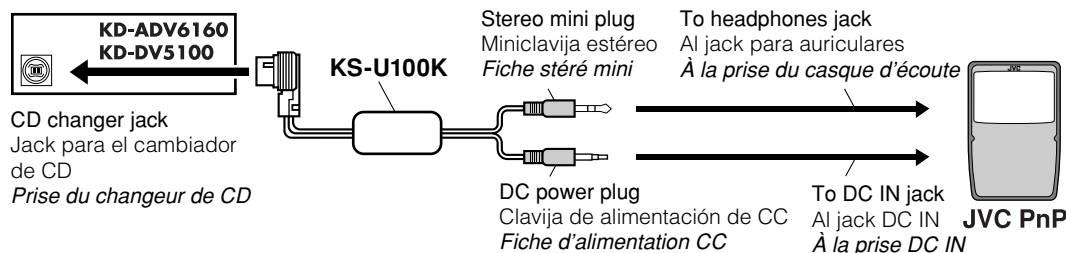
- Turning on/off the receiver can also turns on/off the JVC PnP.

También podrá conectar la PnP JVC a través de este receptor utilizando el adaptador para radio SIRIUS JVC, KS-U100K (no suministrado).

- Al encender/apagar el receptor también se enciende/apaga la PnP JVC.

Vous pouvez aussi connecter le PnP JVC à cet autoradio en utilisant l'adaptateur de radio SIRIUS JVC KS-U100K (non fourni).

- Mettre sous/hors tension l'autoradio peut aussi mettre sous/hors tension le PnP JVC.



External component / Componente exterior / Appareil extérieur

- Set "EXT IN" to "EXT IN" (see page 37 of the INSTRUCTIONS). / Ajuste "EXT IN" a "EXT IN" (consulte la página 37 del MANUAL DE INSTRUCCIONES). / Réglez "EXT IN" sur "EXT IN" (voir la page 37 du MANUEL D'INSTRUCTIONS).

